

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: 12th Sep 2020

Τo,

- 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 11.09.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-सितंबर-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 11th September 2020, is available at the NLDC website.

धन्यवाद,

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



Report for previous day
A. Power Supply Position at All India and Regional level Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	64894	45635	37354	22171	2925	172979
Peak Shortage (MW)	433	0	0	0	119	552
Energy Met (MU)	1422	1102	888	471	56	3939
Hydro Gen (MU)	330	94	105	149	20	698
Wind Gen (MU)	6	22	116	-	-	144
Solar Gen (MU)*	38.06	24.73	76.37	4.51	0.11	144
Energy Shortage (MU)	0.3	0.0	0.0	0.0	1.1	1.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65794	48516	41873	22117	3024	173215
Time Of Maximum Demand Met (From NLDC SCADA)	22:25	10:35	09:22	20:29	19:40	19:42

Diffequency frome (70)									
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05		
All India	0.014	0.00	0.00	0.21	0.21	86.54	13.25		

C. Power Supply Position in States OD(+)/UD(-) Max.Demand Shortage during | Energy Met Max OD Drawal Energy Met during the Schedule Shortage (MU) (MU) (MW) day(MW) Demand(MW) (MU) (MU) 261.4 Punjab 145.0 30 11528 -2.0 0.0Harvana Rajasthan 211.7 227.3 1.7 -0.7 10902 87.2 396 0.0 5644 23525 103.6 222.8 116.7 NR UP 474.4 0.9 432 0.3 Uttarakhand 1934 96 37 1494 32.9 1.8 -0.6 0.0 J&K(UT) & Ladakh(UT) 47.4 0.5 2411 196 Chandigarh Chhattisgarh 295 3928 6.0 6.0 0.0 0.0 39.1 509 0 90.4 -0.6 0.0 15749 9379 340.7 215.2 Gujarat 80.0 0.3 682 0.0 -1.9 MP 112.3 235 0.0 WR Maharashtra 18527 404.4 165.9 Goa 450 9.4 9.1 -0.3 48 0.0 316 DNH 749 17.6 17.7 -0.1 0.0 Andhra Pradesh 8610 182.8 63.8 0.8 682 0.0 10108 Telangana 198.2 87.1 511 0.0 -1.4 SR Karnataka 8124 157.0 56.6 0.8 594 0.0 43.8 0.3 140 Kerala 2955 61.8 0.0 Tamil Nadu 13515 280.3 7.6 120.5 603 0.0 -0.4 Puducherry 19 0.0 366 8.0 5993 116.4 110.7 -0.8 654 DVC 3123 66.7 -46.4 0.9 0.0 Jharkhand 1434 -0.5 189 ER Odisha 4325 88.2 0.1 157 0.0 7859 West Bengal 169.4 48.1 146 0.0 Sikkim 89 -0.2 0.0 Arunachal Pradesh 113 Assam Manipur 32.6 1981 102 36.0 0.0 155 1.0 0.4 207 2.9 2.6 21 0.0 40 17 NER Meghalaya 321 5.9 0.8 -0.2 0.0 1.7 1.1 0.2 Mizoram 98 0.0 139 Tripura -0.40.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	54.0	-2.3	-24.1
Day Peak (MW)	2328.0	-321.8	-1098.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	346.2	-341.9	104.3	-113.5	4.9	0.0
Actual(MU)	360.8	-357.9	95.4	-106.0	5.0	-2.8
O/D/U/D(MU)	14.6	-16.0	-8.9	7.5	0.1	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	3502	13198	11002	1815	425	29943
State Sector	8179	16043	12732	5685	11	42650
Total	11681	29241	23734	7500	436	72592

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	611	1228	370	444	10	2663
Lignite	26	10	23	0	0	59
Hydro	330	94	105	149	20	698
Nuclear	26	21	66	0	0	114
Gas, Naptha & Diesel	32	78	16	0	26	153
RES (Wind, Solar, Biomass & Others)	62	47	223	4	0	337
Total	1088	1478	804	597	56	4025
					1	1
Share of RES in total generation (%)	5.71	3.20	27.76	0.75	0.20	8.38
Share of Non-foscil fuel (Hydro Nuclear and PES) in total generation(%)	29.46	10.09	40.07	25 71	25 61	29.56

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Rosed on State May Demands	1.070

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)

SI No							Date of Reporting:	12-Sep-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 (I			1	
1	HVDC	ALIPURDUAR-AGRA	2	0	1001	0.0	24.0	-24.0
2		PUSAULI B/B		2	0	0.0	0.0	0.0
3		GAYA-VARANASI	2	0	598	0.0	9.1	-9.1
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	192	139 533	0.0	0.3 10.5	-0.3 -10.5
6	400 kV	PUSAULI-VARANASI	i	0	82	0.0	1.2	-1.2
7	400 kV	PUSAULI -ALLAHABAD	1	73	0	1.3	0.0	1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	810	0.0	14.6	-14.6
9 10	400 kV	PATNA-BALIA	4 2	0	988	0.0	17.8	-17.8
11	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	433 329	0.0	6.3 5.7	-6.3 -5.7
12	400 kV	BIHARSHARIFF-VARANASI	2	65	240	0.0	1,5	-1.5
13	220 kV	PUSAULI-SAHUPURI	1	0	139	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	1	0	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	1	0	0	0.0	0.0	0.0
17	132 KV	RARWAWASA-CHANDACLI			ER-NR	1.6	93.8	-92.1
Impor	rt/Export of ER (With WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1274	0	20.8	0.0	20.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1346	0	22.2	0.0	22.2
3	765 kV	JHARSUGUDA-DURG	2	198	28	2.0	0.0	2.0
4	400 kV	JHARSUGUDA-RAIGARH	4	355	0	5.1	0.0	5.1
5	400 kV	RANCHI-SIPAT	2	533	0	8.2	0.0	8.2
6	220 kV	BUDHIPADAR-RAIGARH	1	28	45	0.0	0.2	-0.2
7	220 kV	BUDHIPADAR-KORBA	2	214	0	4.1	0.0	4.1
L T	R1	iiiiiii ii yaba			ER-WR	62.5	0.0	62.3
Impor	rt/Export of ER (With SR)				U ZIU		- VAIU
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	679	0.0	9.4	-9.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1994	0.0	41.3	-41.3
4	765 kV	ANGUL-SRIKAKULAM	2 2	0	2084	0.0	36.5	-36.5 12.0
5	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	0	1099	0.0	12.0	-12.0 0.0
	AND RY	D.I.L. HELA-CITER-SILERRU			ER-SR	0.0	0.0 87.2	-87.2
Impor	rt/Export of ER (With NER)			011	V.U	0112	37.2
1	400 kV	BINAGURI-BONGAIGAON	2	0	478	0.0	6.0	-6.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	591	0.0	7.4	-7.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	135	0.0	2.4	-2.4
Imec	rt/Export of NER	(With NR)			ER-NER	0.0	15.8	-15.8
1111111111		BISWANATH CHARIALI-AGRA	2	0	553	0.0	13.6	-13.6
-	111100	DIO II ANATH CHARIALPAURA	. 4	· v	NER-NR	0.0	13.6	-13.6
Impor	rt/Export of WR	(With NR)						
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1755	0.0	53.9	-53.9
2	HVDC	VINDHYACHAL B/B	-	227	52	4.3	0.1	4.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1919	0.0	43.4	-43.4
4	765 kV	GWALIOR-AGRA PHACLGWALIOR	2 2	0	2915 1246	0.0	56.9 25.4	-56.9 -25.4
6	765 kV 765 kV	PHAGI-GWALIOR JABALPUR-ORAI	2 2	0	1246 1144	0.0	25.4 45.1	-25.4 -45.1
7	765 kV	GWALIOR-ORAI	1	429	0	9.3	0.0	9.3
8	765 kV	SATNA-ORAI	1	0	1540	0.0	33.7	-33.7
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1243	0.0	16.8	-16.8
10	400 kV	ZERDA-KANKROLI	1	0	238	0.0	2.3	-2.3
11	400 kV	ZERDA -BHINMAL	1	0 984	319	0.0	3.2	-3.2 22.6
12 13	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	984	514	22.6 0.0	0.0 7.8	-7.8
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	2.3	-2.3
15	220 kV	BHANPURA-MORAK	1	0	140	0.0	2.6	-2.6
16	220 kV	MEHGAON-AURAIYA	1	79	12	0.1	0.2	-0.1
17	220 kV	MALANPUR-AURAIYA	1	39	46	0.8	0.0	0.7
18	132 kV	GWALIOR-SAWAI MADHOPUR	1 2	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	4	0	0			
Impor	rt/Export of WR				WR-NR	0.0	203.6	0.0 256.6
1	HVDC	(With SR)			WR-NR	37.1	293.6	0.0 -256.6
2		BHADRAWATI B/B		0	491	0.0	293.6	-256.6 -11.9
3	HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	491 699	0.0 0.0	293.6 11.9 7.4	-256.6 -11.9 -7.4
	HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2	0 918	491 699 1136	37.1 0.0 0.0 0.0	293.6 11.9 7.4 4.5	-256.6 -11.9 -7.4 -4.5
4	HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	0 918 0	491 699 1136 2080	37.1 0.0 0.0 0.0 0.0	293.6 11.9 7.4 4.5 28.2	-256.6 -11.9 -7.4 -4.5 -28.2
4 5	HVDC 765 kV 765 kV 400 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	0 918 0 894	491 699 1136 2080	37.1 0.0 0.0 0.0 0.0 11.4	293.6 11.9 7.4 4.5 28.2 0.0	-256.6 -11.9 -7.4 -4.5 -28.2 11.4
4	HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	0 918 0	491 699 1136 2080	37.1 0.0 0.0 0.0 0.0 11.4 0.0	293.6 11.9 7.4 4.5 28.2 0.0 0.0	-256.6 -11.9 -7.4 -4.5 -28.2
4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 918 0 894 0	491 699 1136 2080 0 0 0 75	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 0.0	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 0.0 1.3
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1	0 918 0 894 0 0	491 699 1136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 0.0
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1	0 918 0 894 0	491 699 1136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 0.0	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -0.0 -1.3 -39.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1	0 918 0 894 0 0 0	491 699 1136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 0.0 1.3 -39.2 Energy Exchange
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1 1 1 INTER	0 918 0 894 0 0 0 NATIONAL EXCHAI	491 699 1136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 0.0	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 0.0 1.3
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI	0 918 0 894 0 0 0 INATIONAL EXCHAI	491 699 11136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW)	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 1 INTER Line 400kV MANGECHI ic. ALIPURDUAR RI	0 918 0 894 0 0 0 0 0 0 0 NATIONAL EXCHAI Name UL-ALIPURDUAR 1 & 2 CELPT (from	491 699 1136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 0.0 1.3 -39.2 Energy Exchange
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RI MANGDECHU HEP - 400kV TALA-BINAG	0 918 0 894 0 0 0 0 INATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) USH 1,2,4 (&400KY)	491 699 11136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW)	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR R MANGDECHU HEP- 400kV TALA-BINAG MALBASE - BINAGG	0 918 0 894 0 0 894 0 0 0 ENATIONAL EXCHA! Name RU-ALIPURDUAR 1&2 CZEIPT (from 4*180MW) URI 1,2,4 (& 400KV) RUB 1,2,4 (& 400KV) RUB 1,6 BINAGURI	491 699 11136 2080 0 0 0 75 WR-SR	37.1 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW)	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP . 400kV TALA.BINAG MALBASE - BINAGG RECEIPI (From TAL	0 918 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW)	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW)	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 1.3 -39.2 Energy Exchange (MII)
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHI te. ALIPURDUAR RI MANGDECHI HEP- 400kV TALA-BINAG MALBASE - BINAG MRECEIPT (from TALA- EZONC CHUKRHABI	0 918 0 894 0 0 894 0 0 0 ENATIONAL EXCHA! Name RU-ALIPURDUAR 1&2 CCEIPT (from 42180MW) URI 1,2,4 (& 400KV) RUB: L2,4 (& 400KV) RUB: L2,9 (& 400KV) RUB: L2,9 (& 400KV) RUB: L2,9 (& 400KV) RUB: L2,4 (& 400KV	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW)	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 1.3 -39.2 Energy Exchange (MII) 18.4
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Lie, ALIPURDUAR RI MANGDECHH HEP- 100kV TALA-BINAG MALBASE - BINAG MALBASE - BINAG MALBASE - BIRAG MALBASE - BIRAG MALBASE - BIRAG	0 918 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW)	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW)	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 1.3 -39.2 Energy Exchange (MII)
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RI MANGDECHH HEP- 100kV TALA-BINAG MALBASE - BINAGL 220kV CHUKHA-BIRDA MALBASE - BIRDA RMALBASE - BIRDA R	0 918 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW) 766	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) 18.4 25.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Lie, ALIPURDUAR RI MANGDECHH HEP- 100kV TALA-BINAG MALBASE - BINAG MALBASE - BINAG MALBASE - BIRAG MALBASE - BIRAG MALBASE - BIRAG	0 918 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW)	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW)	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768	-256.6 -11.9 -7.4 -4.5 -28.2 11.4 0.0 1.3 -39.2 Energy Exchange (MII) 18.4
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RI MANGDECHH HEP- 100kV TALA-BINAG MALBASE - BINAGL 220kV CHUKHA-BIRDA MALBASE - BIRDA RMALBASE - BIRDA R	0 918 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW) 766	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) 18.4 25.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B 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 MANGDECHI Le ALIPURDUAR BI MALBASE - BIRAGE RECEIPT (from CHU LI 22 KV-GEYLEGPH	0 918 0 918 0 0 894 0 0 0 0 ENATIONAL EXCHAI Name HU-ALIPURDUAR 1&2 CCEIPT (from 4180MW) UBI 1,2,4 (& 400kV) RIJ 1:6,2 HNAGURI A HEP (6-170AW) PPARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J- SALAKATI	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 0.0 1.3 12.7 Min (MW) 766	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MIT) 18.4 25.5 7.6
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RI MANGDECHH HEP- 100kV TALA-BINAG MALBASE - BINAGL 220kV CHUKHA-BIRDA MALBASE - BIRDA RMALBASE - BIRDA R	0 918 0 918 0 0 894 0 0 0 0 ENATIONAL EXCHAI Name HU-ALIPURDUAR 1&2 CCEIPT (from 4180MW) UBI 1,2,4 (& 400kV) RIJ 1:6,2 HNAGURI A HEP (6-170AW) PPARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J- SALAKATI	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779	37.1 0.0 0.0 0.0 0.0 0.0 1.1.4 0.0 1.3 1.2.7 Min (MW) 766	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 INTER Line 400kV MANGDECHI Le ALIPURDUAR BI MALBASE - BIRAGE RECEIPT (from CHU LIZENV-GEYLEGPHL	0 918 918 0 0 894 0 0 0 0 INATIONAL EXCHAI Name IU-ALIPURDUAR 182 2CEIPT (from 4*180AW) 17 (14 (14 (14 (14 (14 (14 (14 (14 (14 (14	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779 1060	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B 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 MANGDECHI Lie. ALIPURDUAR RI MANGDECHI HEP- 400kV TALA-BARIA MANGDECHI HEP- 1400kV TALA-BARIA MANGDECHI HEP- 1400kV TALA-BARIA MALBASE - BINAGI RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV Motanga-Rang	0 918 0 918 0 894 0 0 0 0 ENATIONAL EXCHAI Name RU-ALIPURDUAR I & 2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400KV) RID i.e. BINAGURI A HEP (6*170MW) PJRAR I & 2 (& 201KV LA) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI jin	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779	37.1 0.0 0.0 0.0 0.0 0.0 1.1.4 0.0 1.3 1.2.7 Min (MW) 766	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI i.a. ALIPURDUAR RI MANGDECHI i.a. ALIPURDUAR RI MANGDECHI 200kV MALBASE BINAG MALBASE BINAG MALBASE BINAG MALBASE BIRPAR RECEIPT (from TAL 132kV-GEYLEGPHL 132kV GEYLEGPHL 132kV Motanga-Rang 132kV-TANAKPUR(1	0 918 0 918 0 894 0 0 0 0 ENATIONAL EXCHAI Name RU-ALIPURDUAR I & 2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400KV) RID i.e. BINAGURI A HEP (6*170MW) PJRAR I & 2 (& 201KV LA) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI jin	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779 1060	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI i.a. ALIPURDUAR RI MANGDECHI i.a. ALIPURDUAR RI MANGDECHI 200kV MALBASE BINAG MALBASE BINAG MALBASE BINAG MALBASE BIRPAR RECEIPT (from TAL 132kV-GEYLEGPHL 132kV GEYLEGPHL 132kV Motanga-Rang 132kV-TANAKPUR(1	0 918 0 918 0 0 894 0 0 0 0 INATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400kV) RIP 1,4 (& 400	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779 1060	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 1 1 INTER Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI i.e. ALIPURDUAR RI MANGDECHI i.e. ALIPURDUAR RI MANGDECHI 100kV MANGDECHI 100kV MANGDECHI 100kV MANGDECHI 110kV MANGDECHI 11	0 918 0 918 0 0 894 0 0 0 0 INATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400kV) RIP 1,4 (& 400	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 0 42	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49	-256.6 -11.9 -7.4 -4.5 -28.2 -14 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 1 1 INTER Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI i.e. ALIPURDUAR RI MANGDECHI i.e. ALIPURDUAR RI MANGDECHI 100kV MANGDECHI 100kV MANGDECHI 100kV MANGDECHI 110kV MANGDECHI 11	0 918 918 0 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060 42 55	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -58	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) 18.4 25.5 -1.2 -1.4 -0.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI ie. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BIOR MALBASE - BINAGI MALBASE - BINAGI L220kV CHUKHA-BIPI MALBASE - BIPI 132kV-GEYLEGPHI 132kV-GEYLEGPHI 132kV-MALBASE - BIPI 132kV-MA	0 918 918 0 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 0 42	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49	-256.6 -11.9 -7.4 -4.5 -28.2 -14 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 918 918 0 0 894 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060 42 55	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -58	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MIT) 18.4 25.5 -1.2 -1.4 -0.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER	2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 918 0 918 0 0 894 0 0 0 INATIONAL EXCHAI Name RU-ALIPURDUAR 1&2 SCEIPT (from 4+180MW) URI 1,2,3 (& 4000V) RIPI 1,3 (& 4000V) RIPI 1,4	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 1060 42 55	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -58	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5
4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER	2 2 2 1 1 INTER Line 400kV MANGDECHI ica ALIPURDUAR RI MANGDECHI ica ALIPURDUAR RI MANGDECHI ica ALIPURDUAR RI MANGDECHI 100kV MANGDECHI 101kV	0 918 0 918 0 0 894 0 0 0 INATIONAL EXCHAI Name RU-ALIPURDUAR 1&2 SCEIPT (from 4+180MW) URI 1,2,3 (& 4000V) RIPI 1,3 (& 4000V) RIPI 1,4	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 0 42 55	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -7 -72	-256.6 -11.9 -7.74 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MU) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5 -0.2 -1.7
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 1 1 INTER Line 400kV MANGDECHI ica ALIPURDUAR RI MANGDECHI ica ALIPURDUAR RI MANGDECHI ica ALIPURDUAR RI MANGDECHI 100kV MANGDECHI 101kV	0 918 918 0 0 894 0 0 0 ENATIONAL EXCHAI Name 0 EVALUATIONAL EXCHAI NAME 0 EVALUATION 1 EVA	491 699 1136 2080 0 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47 -93 -182	37.1 0.0 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 0 42 55 0 -1	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -7 -72 -874	-256.6 -11.9 -7.74 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MIT) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5 -1.2 -1.7 -21.0
4 5 6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line GORV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP- LORD AND AND AND AND AND AND AND AND AND AN	0 918 0 918 0 0 894 0 0 0 ENATIONAL EXCHAI Name HU-ALIPURDUAR 1&2 CZEIPT (from 4180MW) URI 1,2,4 (& 400KV) RIQ 1,2,4 (& 400KV) RIQ 1,6, BINAGURI A HEP (6-170MW) PARA 1&2 (& 220KV A) i.e. BIRPARA KHA HEP 4*84MW) J- SALAKATI jia NHI - ((PG) AL PUR - DHALKEBAR C(BANGLADESH) NAGAR -	491 699 1136 2080 0 0 75 WR-SR NGES Max (MW) 779 1060 373 54 62 -47	37.1 0.0 0.0 0.0 0.0 11.4 0.0 1.3 12.7 Min (MW) 766 0 42 55	293.6 11.9 7.4 4.5 28.2 0.0 0.0 0.0 0.0 51.9 Avg (MW) 768 1060 315 -49 -7 -72	-256.6 -11.9 -7.4 -4.5 -28.2 -11.4 -0.0 -1.3 -39.2 Energy Exchange (MII) -18.4 -25.5 -7.6 -1.2 -1.4 -0.5 -0.2 -1.7

	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	73	0	-64	-1.5	
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