

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: 23rd Jul 2020

To,

- कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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 22.07.2020.

महोदय/Dear Sir.

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-जुलाई-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 22nd July 2020, is available at the NLDC website.

धन्यवाद.

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



Report for pro	evious day ply Position at All India and Regional level				Dat	e of Reporting:	23-Ju	ıl-2020
	P	NR	WR	SR	ER	NER	TOTAL	1
Demand Met du	rring Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	50433	43962	37571	21598	2691	156255	1
Peak Shortage (MW)		462	0	0	0	123	585	1
Energy Met (MU)		1110	1059	885	432	48	3535	1
Hydro Gen (MU	J)	339	22	116	127	31	634	1
Wind Gen (MU)		23	48 18 89				1	
Solar Gen (MU)					0.02	133	j	
Energy Shortag	e (MU)	10.4	0.0	0.0	0.0	3.8	14.2]
Maximum Dem:	and Met During the Day (MW) (From NLDC SCADA)	53305	46232	41541	21204	2672	156246	1
Time Of Maxim	um Demand Met (From NLDC SCADA)	22:24	11:07	12:41	20:32	19:59	20:48]
B. Frequency	Profile (%)							
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	1
All India	0.018	0.00	0.00	1.44	1.44	87.83	10.74	j
C. Power Sup	ply Position in States							
		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)	Shortage (MU)
	Punjab	8720	0	188.3	130.4	-0.7	108	0.0
	Haryana	6465	0	134.2	101.9	-0.2	315	0.0
	Rajasthan	10563	0	228.7	85.0	-0.6	552	0.0
	Delhi	3866	0	84.8	75.8	0.0	352	0.0
NR	UP	19371	0	362.2	157.8	-0.5	322	0.3
	Uttarakhand	1760	0	37.8	17.0	-0.4	181	0.0

Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		day(MW)	Demand(MW)	` '	(MU)	` '	` ,	(MU)
	Punjab	8720	0	188.3	130.4	-0.7	108	0.0
	Haryana	6465	0	134.2	101.9	-0.2	315	0.0
	Rajasthan	10563	0	228.7	85.0	-0.6	552	0.0
	Delhi	3866	0	84.8	75.8	0.0	352	0.0
NR	UP	19371	0	362.2	157.8	-0.5	322	0.3
	Uttarakhand	1760	0	37.8	17.0	-0.4	181	0.0
	HP	1367	0	27.4	-4.4	-0.9	88	0.0
	J&K(UT) & Ladakh(UT)	2042	510	42.1	18.5	0.5	221	10.1
	Chandigarh	229	0	4.8	5.3	-0.5	22	0.0
	Chhattisgarh	3873	0	93.4	34.5	-0.6	208	0.0
	Gujarat	14231	0	313.5	105.8	4.8	708	0.0
	MP	9544	0	217.9	114.8	-4.6	430	0.0
WR	Maharashtra	17782	0	389.2	162.2	-2.7	452	0.0
	Goa	411	0	8.7	8.4	-0.2	32	0.0
	DD	251	0	5.4	5.3	0.1	21	0.0
	DNH	587	0	13.8	13.8	0.0	74	0.0
	AMNSIL	791	0	17.5	6.4	0.5	233	0.0
	Andhra Pradesh	7454	0	159.6	73.3	0.2	650	0.0
	Telangana	10205	0	200.7	92.4	1.3	774	0.0
SR	Karnataka	8077	0	158.7	60.7	1.6	724	0.0
	Kerala	3185	0	66.7	46.2	0.8	219	0.0
	Tamil Nadu	13589	0	291.8	145.2	-0.9	604	0.0
	Puducherry	367	0	7.5	8.0	-0.5	25	0.0
	Bihar	5429	0	103.0	97.8	-0.6	569	0.0
	DVC	2915	0	63.2	-31.2	0.0	268	0.0
	Jharkhand	1458	0	24.7	18.1	-1.6	208	0.0
ER	Odisha	4104	0	91.9	6.9	0.1	225	0.0
	West Bengal	7654	0	148.6	44.8	1.0	556	0.0
	Sikkim	85	0	1.0	1.1	-0.1	24	0.0
	Arunachal Pradesh	94	1	1.7	1.3	0.5	35	0.0
	Assam	1713	110	30.4	27.0	-0.2	130	3.8
	Manipur	179	1	2.8	2.5	0.2	23	0.0
NER	Meghalaya	297	0	5.3	-0.5	0.2	49	0.0
	Mizoram	96	2	1.7	1.3	0.2	14	0.0
	Nagaland	122	2	2.3	2.3	-0.2	6	0.0
	Tripura	260	2	4.1	5.0	-0.6	58	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	48.1	-2.3	-23.0
Day Peak (MW)	2129.0	-262.0	-1095.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	215.9	-218.1	117.6	-109.8	-5.6	0.0
Actual(MU)	194.1	-223.9	155.0	-118.1	-5.6	1.6
O/D/U/D(MU)	-21.8	-5.8	37.5	-8.3	-0.1	1.6

F. Generation Outage(MW)

	INK	WK	SK	LK	NEK	IOTAL
Central Sector	5549	16547	10612	2150	643	35501
State Sector	10289	19926	14274	5992	47	50528
Total	15838	36473	24886	8142	690	86029
G. Sourcewise generation (MU)						
	NR	WR	SR	ER	NER	All India
Coal	465	1073	427	452	4	2421
Lignite	18	13	27	0	0	59
Hydro	339	22	116	127	31	634
Nuclear	27	33	24	0	0	84
Gas, Naptha & Diesel	16	71	17	0	24	128
RES (Wind, Solar, Biomass & Others)	76	86	134	5	0	301
Total	941	1299	745	583	59	3626

6.63 10.84 17.99 36.81

8.08 46.92

H. All India Demand Diversity Factor					
Based on Regional Max Demands	1.033				
Based on State Max Demands	1.021				

Share of RES in total generation (%)
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)

0.03 52.20

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: 23-Jul-2020

							Date of Reporting:	
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (V		ı	ı				
1		ALIPURDUAR-AGRA	D/C	0	1202	0.0	27.2	-27.2
3		PUSAULI B/B GAYA-VARANASI	D/C	0	399 509	0.0	9.7 5.7	-9.7 -5.7
4	765 kV	SASARAM-FATEHPUR	S/C	177	177	1.4	0.0	1.4
6		GAYA-BALIA PUSAULI-VARANASI	S/C S/C	0	432 299	0.0	5.7 6.3	-5.7 -6.3
7		PUSAULI -ALLAHABAD	S/C	0	162	0.0	3.1	-3.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	659	0.0	11.8	-11.8
9 10		PATNA-BALIA BIHARSHARIFF-BALIA	Q/C D/C	0	840 329	0.0	12.8 4.9	-12.8 -4.9
11		MOTIHARI-GORAKHPUF	D/C	0	320	0.0	4.8	-4.8
12	400 kV	BIHARSHARIFF-VARANASI	D/C	86	117	0.0	0.8	-0.8
13		PUSAULI-SAHUPURI	S/C	0	116 0	0.0	2.0	-2.0
14 15	132 kV 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	S/C S/C	30	0	0.0 0.5	0.0	0.0 0.5
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0 1.9	0.0 94.9	0.0 -93.0
Impo	rt/Export of ER (V	Vith WR)			EK-IVK	1.7	74.7	-/3.0
1		JHARSUGUDA-DHARAMJAIGARH	Q/C	1342	0	26.1	0.0	26.1
2		NEW RANCHI-DHARAMJAIGARH	D/C	730	136	9.4	0.0	9.4
3	765 kV	JHARSUGUDA-DURG	D/C	139	110	0.6	0.0	0.6
4		JHARSUGUDA-RAIGARH	Q/C	24	322	0.0	3.2	-3.2
5		RANCHI-SIPAT	D/C	253	57	3.0	0.0	3.0
6		BUDHIPADAR-RAIGARH	S/C	0	131	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	D/C	80	28 ER-WR	0.7 39.9	0.0 5.2	0.7 34.7
Impo	rt/Export of ER (V				ER-WK			
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	373	0.0	8.5	-8.5
2		TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	D/C	0	1840 2640	0.0	48.0	-48.0 54.1
3		TALCHER-I/C	D/C D/C	0	244	0.0	54.1 3.3	-54.1 -3.3
5		BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
Inco	rt/Export of ER (V	Viel NED)			ER-SR	0.0	110.6	-110.6
1mpo		BINAGURI-BONGAIGAON	D/C	69	381	0.0	1.5	-1.5
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	352	398	1.0	0.0	1.0
3	220 kV	ALIPURDUAR-SALAKATI	D/C	17	105 ER-NER	0.0	0.7 2.1	-0.7 -1.1
Impo	rt/Export of NER (With NR)			EK-NEK	1.0	2.1	-1.1
1		BISWANATH CHARIALI-AGRA	D/C	0	503	0.0	10.1	-10.1
	4/E	SEAL NIDA			NER-NR	0.0	10.1	-10.1
1mpo	rt/Export of WR (V HVDC	CHAMPA-KURUKSHETRA	D/C	0	175	0.0	16.7	-16.7
2	HVDC	VINDHYACHAL B/B		450	0	8.2	0.0	8.2
3		MUNDRA-MOHINDERGARH	D/C	0	595	0.0	14.6	-14.6
5		GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C	0	2182 1146	0.0	28.7 18.5	-28.7 -18.5
6		JABALPUR-ORAI	D/C	ŏ	876	0.0	25.0	-25.0
7		GWALIOR-ORAI	S/C	414	0	8.1	0.0	8.1
8		SATNA-ORAI CHITORGARH-BANASKANTHA	S/C D/C	0 131	1338 945	0.0	25.1 8.1	-25.1 -8.1
10		ZERDA-KANKROLI	S/C	117	140	0.4	0.0	0.4
11		ZERDA -BHINMAL	S/C	271	241	1.2	0.0	1.2
12		VINDHYACHAL -RIHANE RAPP-SHUJALPUR	S/C D/C	984 124	0 358	22.9 0.0	0.0 1.5	22.9 -1.5
14		BHANPURA-RANPUR	S/C	11	0	0.0	1.2	-1.2
15	220 kV	BHANPURA-MORAK	S/C	0	98	0.0	1.6	-1.6
16 17		MEHGAON-AURAIYA MALANPUR-AURAIYA	S/C S/C	111 81	0 24	0.6 1.2	0.1 0.0	0.6 1.2
18		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
19		RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0
Imno	rt/Export of WR (V	With SR)			WR-NR	42.6	141.0	-98.4
1		BHADRAWATI B/B	-	0	309	0.0	21.6	-21.6
2	HVDC	RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0
4		SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C D/C	0	2100 2579	0.0	31.4 42.8	-31.4 -42.8
5		KOLHAPUR-KUDGI	D/C	424	0	4.4	0.0	4.4
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
8		PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C	0	0 90	0.0 1.7	0.0	0.0 1.7
	LLU KY	ALLE SITTAMBE WADI	5/0		WR-SR	6.0	95.9	-89.9
			INTE	RNATIONAL EXCHA	NGES			
								Energy Exchange
L	State	Region		Name		Min (MW)	Avg (MW)	
	State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	(MU)
	State	Region ER				Min (MW)	Avg (MW)	(MU) 0.0
	State	ER	Line DAGACHU (2 * 63)		Max (MW)	0	0	0.0
	State		Line DAGACHU (2 * 63) CHUKA (4 * 84) BI	RPARA RECEIPT	Max (MW)			
	State BHUTAN	ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4		Max (MW)	0	0	0.0
		ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 : RECEIPT	RPARA RECEIPT x 180) ALIPURDUAR	Max (MW) 0 364	0 351	0 331	0.0 8.0
		ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4	RPARA RECEIPT x 180) ALIPURDUAR	Max (MW) 0 364	0 351	0 331	0.0 8.0
		ER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT	Max (MW) 0 364 782 1056	0 351 0 1046	0 331 606 966	0.0 8.0 14.6 23.2
		ER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 : RECEIPT	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT	Max (MW) 0 364 782	0 351 0	0 331 606	0.0 8.0 14.6
		ER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT GELEPHU	Max (MW) 0 364 782 1056	0 351 0 1046	0 331 606 966	0.0 8.0 14.6 23.2
		ER ER ER ER NER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI	RPARA RECEIPT K 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG	Max (MW) 0 364 782 1056 52 66	0 351 0 1046 0	0 331 606 966 48 54	0.0 8.0 14.6 23.2 1.2
		ER ER ER ER NER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGBECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI - 132KV-RANGIA - D	RPARA RECEIPT K 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG I) -	Max (MW) 0 364 782 1056 52	0 351 0 1046	0 331 606 966 48	0.0 8.0 14.6 23.2 1.2
		ER ER ER ER NER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI - 132KV-RANGIA - D 132KV-Tanakpur(NI	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG I) -	Max (MW) 0 364 782 1056 52 66	0 351 0 1046 0	0 331 606 966 48 54	0.0 8.0 14.6 23.2 1.2
	BHUTAN	ER ER ER ER NER NER NER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NE	RPARA RECEIPT A 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG 1) -	Max (MW) 0 364 782 1056 52 66 0 -65	0 351 0 1046 0 0 0	0 331 606 966 48 54 0	0.0 8.0 14.6 23.2 1.2 1.3 -0.5
	BHUTAN	ER ER ER ER NER NER NER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NE	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG I) -	Max (MW) 0 364 782 1056 52 66 0	0 351 0 1046 0 0	0 331 606 966 48 54	0.0 8.0 14.6 23.2 1.2 1.3 -0.5
	BHUTAN	ER ER ER ER NER NER NER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI- 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NE 220KV-MUZAFFAR DC	RPARA RECEIPT X 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG I) - PAL PUR - DHALKEBAR	Max (MW) 0 364 782 1056 52 66 0 -65 -141	0 351 0 1046 0 0 0 -37	0 331 606 966 48 54 0	0.0 8.0 14.6 23.2 1.2 1.3 -0.5 -1.5
	BHUTAN	ER ER ER ER NER NER NER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI - 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NEI 220KV-MUZAFFAR DC Bheramara HVDC(B	RPARA RECEIPT x 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG i) - PAL PUR - DHALKEBAR angladesh)	Max (MW) 0 364 782 1056 52 66 0 -65	0 351 0 1046 0 0 0	0 331 606 966 48 54 0	0.0 8.0 14.6 23.2 1.2 1.3 -0.5
В	BHUTAN	ER ER ER ER NER NER NER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI - 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NE 220KV-MUZAFFAR DC Bheramara HVDC(B 132KV-SURAJMAN	RPARA RECEIPT A 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG 1) - PAL PUR - DHALKEBAR angladesh) I NAGAR -	Max (MW) 0 364 782 1056 52 66 0 -65 -141	0 351 0 1046 0 0 0 -37	0 331 606 966 48 54 0	0.0 8.0 14.6 23.2 1.2 1.3 -0.5 -1.5
В	BHUTAN NEPAL	ER ER ER ER NER NER NER NER NR ER ER ER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI - 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NEI 220KV-MUZAFFAR DC Bheramara HVDC(B	RPARA RECEIPT X 180) ALIPURDUAR AGURI RECEIPT GELEPHU EOTHANG H) - PAL PUR - DHALKEBAR angladesh) INAGAR - ADESH)-1	Max (MW) 0 364 782 1056 52 66 0 -65 -141 -941	0 351 0 1046 0 0 0 -37 11 -739	0 331 606 966 48 54 0 -61 -13 -866	0.0 8.0 14.6 23.2 1.2 1.3 -0.5 -1.5 -0.3 -20.8
В	BHUTAN NEPAL	ER ER ER ER NER NER NER ER ER ER	Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4: RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG) 132KV-BIHAR - NEI 220KV-MUZAFFAR DC Bheramara HVDC(B 132KV-SURAJMANGLA	RPARA RECEIPT (a 180) ALIPURDUAR (AGURI RECEIPT (GELEPHU EOTHANG i) - PAL PUR - DHALKEBAR (angladesh) (NAGAR- (DESH)-1 NAGAR	Max (MW) 0 364 782 1056 52 66 0 -65 -141 -941	0 351 0 1046 0 0 0 -37 11 -739	0 331 606 966 48 54 0 -61 -13	0.0 8.0 14.6 23.2 1.2 1.3 -0.5 -1.5 -0.3 -20.8