

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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 06th Apr 2021

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

Sub: Daily PSP Report for the date 05.04.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अप्रैल-2021 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 05th April 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day
A Dawar Sunniv Pacifion of All India and Regional level

Date of Reporting: 06-Apr-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	48100	55945	48172	23546	2533	178296
Peak Shortage (MW)	1298	0	0	0	69	1367
Energy Met (MU)	963	1360	1231	473	44	4070
Hydro Gen (MU)	107	49	95	36	7	293
Wind Gen (MU)	34	71	36	-	-	141
Solar Gen (MU)*	47.50	39.66	102.58	5.40	0.22	195
Energy Shortage (MU)	10.64	0.00	0.00	0.00	3.07	13.71
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48938	59890	57866	23703	2682	178891
Time Of Maximum Demand Met (From NLDC SCADA)	19:52	15:29	14:52	20:01	18:25	10:27

B. Frequency P	rofile (%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.083	0.00	4.51	18.02	22.53	67.08	10.39

		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	5591	0	118.4	60.6	-1.1	191	2.16
	Haryana	6473	171	119.7	94.1	0.3	225	0.83
	Rajasthan	10022	0	208.6	9.5	-0.3	479	0.00
	Delhi	3736	0	76.8	61.0	-1.2	160	0.00
NR	UP	18408	0	321.9	118.7	-1.0	546	0.30
	Uttarakhand	1799	0	36.6	23.5	1.3	338	0.95
	HP	1528	0	28.5	20.5	0.4	153	0.00
	J&K(UT) & Ladakh(UT)	2542	350	48.9	39.8	0.3	338	6.40
	Chandigarh	181	0	3.4	3.5	-0.1	23	0.00
	Chhattisgarh	4742	0	114.2	53.5	-0.1	243	0.00
	Gujarat	18767	0	400.8	104.0	-0.5	590	0.00
	MP	10989	0	231.3	118.1	-2.1	911	0.00
WR	Maharashtra	25614	0	556.1	178.7	-1.8	601	0.00
	Goa	561	0	12.1	11.3	0.2	131	0.00
	DD	339	0	7.4	7.2	0.2	30	0.00
	DNH	844	0	19.5	19.5	0.0	45	0.00
	AMNSIL	877	0	18.3	1.2	0.1	333	0.00
	Andhra Pradesh	11402	0	222.6	107.7	-0.3	884	0.00
	Telangana	12953	0	272.3	137.0	0.2	589	0.00
SR	Karnataka	13842	0	276.0	93.6	2.0	897	0.00
	Kerala	4218	0	87.8	57.8	0.1	233	0.00
	Tamil Nadu	16339	0	363.1	216.1	1.8	667	0.00
	Puducherry	413	0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-0.2	28	0.00	
	Bihar	5391	0	97.6	90.0	-1.6	325	0.00
	DVC	3234	0	69.8	-48.3	-0.5	243	0.00
	Jharkhand	1532	0	28.5	21.8	-2.0	135	0.00
ER	Odisha	5617	0	112.6	56.4	-0.8	468	0.00
	West Bengal	8522	0	163.8	31.8	-0.8	363	0.00
	Sikkim	76	0	1.1	1.5	-0.5	9	0.00
	Arunachal Pradesh	118	4	2.0	1.9	0.0	0	0.01
	Assam	1568	42	26.4	20.2	0.3	113	3.00
	Manipur	198	3	2.5	2.5	0.0	36	0.01
NER	Meghalaya	343	0	5.4	3.1	-0.2	51	0.00
	Mizoram	108	4	1.7	1.6	0.0	17	0.01
	Nagaland	116	3	1.9	1.9	0.0	23	0.01
	Tripura	252	7	3.7	3.0	0.1	54	0.03

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	2.5	-14.5	-19.6
Day Peak (MW)	226.0	726.0	006.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.5	-301.3	221.7	-70.6	2.7	0.0
Actual(MU)	132.1	-291.9	224.8	-78.3	2.4	-10.8
O/D/U/D(MU)	-15.3	9.4	3.1	-7.7	-0.3	-10.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5199	14573	7142	2253	1382	30548	44
State Sector	15467	12181	6316	4953	11	38927	56
Total	20666	26753	13458	7206	1393	69475	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	553	1436	653	540	15	3197	77
Lignite	25	9	36	0	0	70	2
Hydro	107	49	95	36	7	293	7
Nuclear	26	28	46	0	0	101	2
Gas, Naptha & Diesel	33	46	13	0	24	117	3
RES (Wind, Solar, Biomass & Others)	102	110	174	5	0	392	9
Total	846	1680	1016	581	46	4170	100
							1
Share of RES in total generation (%)	12.09	6.57	17.11	0.94	0.48	9.41	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	27.82	11.20	30.99	7.09	15.09	18.87	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.079
Based on State Max Demands	1.114

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: 06-Apr-2021

Import/E							Date of Reporting:	06-Apr-2021
Import/E	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	Export of ER (V	Vith ND)			• • •	• • •		
		ALIPURDUAR-AGRA	1	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	75	443	0.0	6.0	-6.0
4	765 kV	SASARAM-FATEHPUR	1	99	215	0.0	2.3	-2.3
5	765 kV	GAYA-BALIA	1	0	345	0.0	5.4	-5.4
6		PUSAULI-VARANASI	11	0	244	0.0	4.8	-4.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	99	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	290	403	0.0	2.7	-2.7
9	400 kV	PATNA-BALIA	4	0	857	0.0	15.5	-15.5
10	400 kV	BIHARSHARIFF-BALIA	2	82	202	0.0	2.6	-2.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	344	0.0	4.8	-4.8
12		BIHARSHARIFF-VARANASI	2	85	212	0.0	3.0	-3.0
13 14	220 kV 132 kV	PUSAULI-SAHUPURI	-	10	105 0	0.0	1.5 0.0	-1.5 0.0
15	132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	i	Ŏ	Ŏ	0.0	0.0	0.0
					ER-NR	0.3	56.0	-55.7
Import/E	Export of ER (V	Vith WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1940	0	32.2	0.0	32.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1008	563	4.6	0.0	4.6
3	765 kV	JHARSUGUDA-DURG	2	331	162	0.2	0.0	0.2
4	400 kV	JHARSUGUDA-RAIGARH	4	207	259	0.0	1.8	-1.8
5	400 kV	RANCHI-SIPAT	2	239	209	0.0	0.9	-0.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	156	0.0	2.5	-2.5
7	220 kV	BUDHIPADAR-KORBA	2	156	0	2.6	0.0	2.6
T '					ER-WR	39.6	5.2	34.5
Import/E	Export of ER (V	Vith SR)				10		- 110
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	410	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	Ü	2473	0.0	50.3	-50.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3067	0.0	58.8	-58.8
4	400 kV	TALCHER-I/C	2	0	661	0.0	5.2	-5.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	117.8	-117.8
	Export of ER (V							
1		BINAGURI-BONGAIGAON	2	312	50	2.7	0.0	2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	542	53	5.5	0.0	5.5
3	220 kV	ALIPURDUAR-SALAKATI	2	97	6 ED NED	1.0	0.0	1.0
Immt/m	Evmont of MEN	(With ND)			ER-NER	9.2	0.0	9.2
import/E	Export of NER	(With NR) BISWANATH CHARIALI-AGRA		475	6 1	11.7	1 00	1
1	HVDC	BISWANATH CHARIALI-AGRA	2	475	0 NER-NR	11.7	0.0	11.7
Import/E	Export of WR (With NR)			NER-NK	11.7	0.0	11.7
1 mport/E.		CHAMPA-KURUKSHETRA)	0	1507	0.0	37.1	-37.1
2	HVDC	VINDHYACHAL B/B	-	251	0	7.2	0.0	7.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	44.4	-44.4
4	765 kV	GWALIOR-AGRA	2	0	2410	0.0	37.1	-37.1
5	765 kV	PHAGI-GWALIOR	2	Ů	935	0.0	12.3	-12.3
6	765 kV	JABALPUR-ORAI	2	48	742	0.0	19.5	-19.5
7	765 kV	GWALIOR-ORAI	ī	565	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	1	0	1374	0.0	26.9	-26.9
9	765 kV	CHITORGARH-BANASKANTHA	2	1337	0	17.5	0.0	17.5
10	400 kV	ZERDA-KANKROLI	1	401	0	6.1	0.0	6.1
11	400 kV	ZERDA -BHINMAL	1	683	0	10.7	0.0	10.7
12	400 kV	VINDHYACHAL -RIHAND	1	995	0	22.1	0.0	22.1
13	400 kV	RAPP-SHUJALPUR	2	290	290	1.8	1.2	0.6
14		BHANPURA-RANPUR	1	54	78	0.3	0.4	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.8	0.2	0.6
16	220 kV	MEHGAON-AURAIYA	1	126	0	0.8	0.0	0.8
17	220 kV	MALANPUR-AURAIYA	1	91	0	1.5	0.0	1.5
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
T 400	C (CYUD (Wal on			WR-NR	79.0	179.0	-100.0
	Export of WR (1017		100	10.0
1		BHADRAWATI B/B RAIGARH-PUGALUR	-	0	1016	0.0	18.0	-18.0
2	HVDC 765 kV		2	0	3018	0.0	68.3	-68.3
3	765 kV 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	0	2108 3387	0.0	31.4 56.0	-31.4 -56.0
5		KOLHAPUR-KUDGI	7	1024	0			-56.0
6		KOLHAPUR-CHIKODI	2	0	v			
7	220 kV	PONDA-AMBEWADI	1		0	14.4	0.0	14.4
	220 kV			0	0	0.0	0.0	0.0
8		XELDEM-AMBEWADI	1		0	0.0	0.0	0.0 0.0
		XELDEM-AMBEWADI	1	0		0.0 0.0 1.8	0.0 0.0 0.0	0.0 0.0 1.8
		XELDEM-AMBEWADI	1	0	0 91 WR-SR	0.0	0.0	0.0 0.0
8			1 INTER	0 NATIONAL EXCHA!	0 91 WR-SR	0.0 0.0 1.8 16.2	0.0 0.0 0.0 173.8	0.0 0.0 1.8 -157.6
8	State	XELDEM-AMBEWADI Region	1 INTER	0	0 91 WR-SR	0.0 0.0 1.8	0.0 0.0 0.0 173.8	0.0 0.0 1.8
8			INTER Line	0 NATIONAL EXCHA! Name	0 91 WR-SR	0.0 0.0 1.8 16.2	0.0 0.0 0.0 173.8	0.0 0.0 1.8 -157.6
8			INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from	0 91 WR-SR	0.0 0.0 1.8 16.2	0.0 0.0 0.0 173.8	0.0 0.0 1.8 -157.6
8		Region	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RP 4 MANGDECHU HEP 4	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW)	0 91 WR-SR	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW)	0.0 0.0 1.8 -157.6 Energy Exchange
8		Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGO	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV	0 91 WR-SR NGES Max (MW)	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW)	0.0 0.0 1.8 -157.6 Energy Exchange (MII)
8		Region	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 'RI 1,2,4 (& 400kV RJ) i.e. BINAGURI	0 91 WR-SR	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW)	0.0 0.0 1.8 -157.6 Energy Exchange
8		Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MEECEIPT (from TALA-	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW)	0 91 WR-SR NGES Max (MW)	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW)	0.0 0.0 1.8 -157.6 Energy Exchange (MII)
8	State	Region ER ER	INTER LINE LINE 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA- Z20kV CHUKHA-BIR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (*170MW)	0 91 WR-SR NGES Max (MW) 92	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2
8		Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BURAGU MALBASE - BIRAGU MALBASE - BIRPAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from +180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) *ARA 1&2 (& 220kV) i.e. BIRPARA	0 91 WR-SR NGES Max (MW)	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW)	0.0 0.0 1.8 -157.6 Energy Exchange (MII)
8	State	Region ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHUI	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) 1,24 (& 400kV RI) 1,24 (& 400kV ARA 1&2 (& 220kV), ic. BIRPARA VI, ic. BIRPARA VI, ic. BIRPARA (HA HEP 4*84MW)	0 91 WR-SR NGES Max (MW) 92	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2
8	State	Region ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BURAGU MALBASE - BIRAGU MALBASE - BIRPAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) 1,24 (& 400kV RI) 1,24 (& 400kV ARA 1&2 (& 220kV), ic. BIRPARA VI, ic. BIRPARA VI, ic. BIRPARA (HA HEP 4*84MW)	0 91 WR-SR NGES Max (MW) 92	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2
8	State	Region ER ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHUI	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RI) 1,24 (& 400kV RI) 1,24 (& 400kV ARA 1&2 (& 220kV), ic. BIRPARA VI, ic. BIRPARA VI, ic. BIRPARA (HA HEP 4*84MW)	91 WR-SR WGES Max (MW) 92 198	0.0 0.0 1.8 16.2 Min (MW) 0 58	0.0 0.0 0.0 173.8 Avg (MW) 48 68	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6
8	State	Region ER ER ER NER	INTER Line 400kV MANGDECHE 10. ALIPUNGDECHE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALZ- 20kV CHKHA-BIR MALBASE - BIRPAR MALBASE - BI	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RT 1,24 (& 400kV RI 1,25 (& 400kV	0 91 WR-SR NGES Max (MW) 92 198 11	0.0 0.0 1.8 16.2 Min (MW) 0 58	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6
8	State	Region ER ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHUI	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RT 1,24 (& 400kV RI 1,25 (& 400kV	91 WR-SR WGES Max (MW) 92 198	0.0 0.0 1.8 16.2 Min (MW) 0 58	0.0 0.0 0.0 173.8 Avg (MW) 48 68	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6
8	State	Region ER ER ER NER	INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA 250kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132kV Motanga-Rangi	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2-4 (**4 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (**2 *20kV **) i.e. BIRPARA CHA HEP 4*84MW) - SALAKATI	0 91 WR-SR NGES Max (MW) 92 198 11	0.0 0.0 1.8 16.2 Min (MW) 0 58	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6
8	State	Region ER ER ER NER	INTER Line 400kV MANGDECHH ic, ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALJ 220kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV Motanga-Rangi 132kV-TANAKPUR(N	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV R) 1e, BINAGURI HEP (6+170MW) APAR 1&2 (& 220kV 1) i.e. BIRPARA (HA HEP 4*84MW) - SALAKATI a HI) -	91 91 WR-SR WGES Max (MW) 92 198 11	0.0 0.0 1.8 16.2 Min (MW) 0 58 0	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11	0.0 0.0 1.8 -1.57.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1
8	State	Region ER ER ER NER	INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA 250kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132kV Motanga-Rangi	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV R) 1e, BINAGURI HEP (6+170MW) APAR 1&2 (& 220kV 1) i.e. BIRPARA (HA HEP 4*84MW) - SALAKATI a HI) -	0 91 WR-SR NGES Max (MW) 92 198 11	0.0 0.0 1.8 16.2 Min (MW) 0 58	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6
8	State	Region ER ER ER NER NER	INTER Line 400KV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEF 4 400KV TALA, BINAGU MALBASE - BINAGU RECEIPT (from TAL). MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 1880MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) ARAR 1&2 (& 220kV i) i.e. BIRPARA (IIA HEP 4*8AMW) - SALAKATI a HI) -	0 91 WR-SR WGES Max (MW) 92 198 11 7 29	0.0 0.0 1.8 16.2 Min (MW) 0 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1
8	State	Region ER ER ER NER	INTER Line 400KV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEF 4 400KV TALA, BINAGU MALBASE - BINAGU RECEIPT (from TAL). MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV R) 1e, BINAGURI HEP (6+170MW) APAR 1&2 (& 220kV 1) i.e. BIRPARA (HA HEP 4*84MW) - SALAKATI a HI) -	91 91 WR-SR WGES Max (MW) 92 198 11	0.0 0.0 1.8 16.2 Min (MW) 0 58 0	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1
8	State	Region ER ER ER NER NER	INTER Line 400KV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEF 4 400KV TALA, BINAGU MALBASE - BINAGU RECEIPT (from TAL). MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 1880MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) ARAR 1&2 (& 220kV i) i.e. BIRPARA (IIA HEP 4*8AMW) - SALAKATI a HI) -	0 91 WR-SR WGES Max (MW) 92 198 11 7 29	0.0 0.0 1.8 16.2 Min (MW) 0 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1
BE	State	Region ER ER ER NER NER NER	INTER Line 400KV MANGDECHH i.e. ALJPUNJAR RE MANGDECHU HEF 4 400KV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA- 220KV CHUKHA-BIR RECEIPT (from CHUI 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) **2ARA 1&2 (& 220kV) i.e. BIRPAGURI HA HEP 4**84MW) - SALAKATI **180MB	91 WR-SR WGES Max (MW) 92 198 11 7 29 -68	0.0 0.0 1.8 16.2 Min (MW) 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4
BE	State	Region ER ER ER NER NER	INTER Line 400KV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEF 4 400KV TALA, BINAGU MALBASE - BINAGU RECEIPT (from TAL). MALBASE - BIRPAR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(M MAHENDRANAGAR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) **2ARA 1&2 (& 220kV) i.e. BIRPAGURI HA HEP 4**84MW) - SALAKATI **180MB	0 91 WR-SR WGES Max (MW) 92 198 11 7 29	0.0 0.0 1.8 16.2 Min (MW) 0 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3	0.0 0.0 1.8 -1.87.6 Energy Exchange (MU) 1.2 1.6 -0.3 0.1
BE	State	Region ER ER ER NER NER NER	INTER Line 400KV MANGDECHH i.e. ALJPUNJAR RE MANGDECHU HEF 4 400KV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA- 220KV CHUKHA-BIR RECEIPT (from CHUI 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) **2ARA 1&2 (& 220kV) i.e. BIRPAGURI HA HEP 4**84MW) - SALAKATI **180MB	91 WR-SR WGES Max (MW) 92 198 11 7 29 -68	0.0 0.0 1.8 16.2 Min (MW) 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4
BE	State	Region ER ER ER NER NER NER ER	INTER Line 400kV MANGDECHH ie. ALIPUNDAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU ECCEIPT (from TAL- 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-TANAKPUR(M MAHENDRANAGAR(M 400kV-MUZAFFARP 132KV-BIHAR - NEP/	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2-4 (4-400kV RI) i.e. BINAGURI HEP (6*170MW) **2ARA 1&2 (& 220kV 4) i.e. BIRPARA KIA HEP 4*84MW) - SALAKATI III H) - PG) UR - DHALKEBAR DC AL	0 91 WR-SR WR-SR Max (MW) 92 198 11 7 29 -68 -338	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313	0.0 0.0 1.8 -1.57.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5
BE	State	Region ER ER ER NER NER NER	INTER Line 400KV MANGDECHH i.e. ALJPUNJAR RE MANGDECHU HEF 4 400KV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA- 220KV CHUKHA-BIR RECEIPT (from CHUI 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,2-4 (4-400kV RI) i.e. BINAGURI HEP (6*170MW) **2ARA 1&2 (& 220kV 4) i.e. BIRPARA KIA HEP 4*84MW) - SALAKATI III H) - PG) UR - DHALKEBAR DC AL	91 WR-SR WGES Max (MW) 92 198 11 7 29 -68	0.0 0.0 1.8 16.2 Min (MW) 58 0 -10 -16	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1	0.0 0.0 1.8 -157.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4
BE	State	Region ER ER ER NER NER NER ER	INTER Line 400kV MANGDECHH ic. ALIPUNDAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR MAHENDRANAGAR 400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2-4 (& 400kV RI) i.e. BINAGURI BEP (%*170MW) *ARA 1&2 (& 220kV) i.e. BIRPAR KHA HEP 4*84MW) - SALAKATI a IH) - PG) UR - DHALKEBAR DC ML (BANGLADESH)	0 91 WR-SR WR-SR Max (MW) 92 198 11 7 29 -68 -338	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313	0.0 0.0 1.8 -1.57.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5
BE	State	Region ER ER ER NER NER NER ER	INTER Line 400RV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400RV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-CHUKHA-BIR RECEIPT (from TALA 132KV-GEYLEGPHU 132KV-TANAKPUR(N MAHENDRANAGARI 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI	O NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,24 (& 400KV RI) 1.6 BINAGURI BEP (**170MW) **2RA 1 &2 (& 220KV) 1.6 BIRPARA HA HEP 4**84MW)	0 91 WR-SR WR-SR Max (MW) 92 198 11 7 29 -68 -338	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313	0.0 0.0 1.8 -1.87.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5
BE	State HUTAN NEPAL	Region ER ER ER NER NER NER ER ER	INTER Line 400kV MANGDECHH ic. ALIPUNDAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR MAHENDRANAGAR 400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC	O NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RI 1,24 (& 400KV RI) 1.6 BINAGURI BEP (**170MW) **2RA 1 &2 (& 220KV) 1.6 BIRPARA HA HEP 4**84MW)	91 WR-SR WGES Max (MW) 92 198 11 7 29 -68 -338 -330 -855	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313 -230	0.0 0.0 1.8 -1.87.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5 -5.5
BE	State HUTAN NEPAL	Region ER ER ER NER NER NER NER NR ER ER ER	INTER Line 400kV MANGDECHH le. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV CHUKHA-BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR(400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC 132kV-SURAJMANI 1COMILLA(BANGLAI	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180mW) RI 1,24 (& 400kV RI) Le. BINAGURI LEPE (*170mW) 'ARA 1&2 (& 220kV) Lie BIRPAGURI LEPE (*470mW) - SALAKATI a IH) - PG) UR - DHALKEBAR DC AL (BANGLADESH) NAGAR - ESHI)-1	0 91 WR-SR WR-SR Max (MW) 92 198 11 7 29 -68 -338 -330 -855	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313 -230 -711 -53	0.0 0.0 1.8 -1.57.6 Energy Exchange (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5 -5.5 -17.1
BE	State HUTAN NEPAL	Region ER ER ER NER NER NER ER ER	INTER Line 400RV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400RV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-CHUKHA-BIR RECEIPT (from TALA 132KV-GEYLEGPHU 132KV-TANAKPUR(N MAHENDRANAGARI 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI	0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2-4 (& 400kV RI) i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a HI) - PC UUR - DHALKEBAR DC LL (BANGLADESH) NAGAR - DESHI)-1 NAGAR -	91 WR-SR WGES Max (MW) 92 198 11 7 29 -68 -338 -330 -855	0.0 0.0 1.8 16.2 Min (MW)	0.0 0.0 0.0 173.8 Avg (MW) 48 68 -11 3 1 -60 -313 -230	0.0 0.0 1.8 -1.57.6 Energy Exchang (MII) 1.2 1.6 -0.3 0.1 0.0 -1.4 -7.5 -5.5