

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPËRATION 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, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 26th Dec 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 25.12.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-दिसम्बर -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 25th December 2020, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: Report for previous day A. Power Supply Position at All India and Regional level 26-Dec-2020 NR WR SR TOTAL ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 52029 51799 38484 18093 162910 Peak Shortage (MW) Energy Met (MU) 880 0 0 38 918 1237 362 921 1051 44 3615 Hydro Gen (MU) 112 274 65 30.52 0.00 137 161 11.96 Wind Gen (MU) 50 95.40 Solar Gen (MU)* Energy Shortage (MU) 4.47 0.00 0.04 11.51 0.00 0.45 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 61001 46791 18312 2581 181411 Time Of Maximum Demand Met (From NLDC SCADA) 09:40 10:34 10:34 18:09 17:48 10:34 B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	Ĺ
All India	0.036	0.00	0.41	4.42	4.83	76.77	18.40	İ
C. Power Suppl	y Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Γ
Dogion	States	Mot duning the	morimum		Cohodulo			Ĺ

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	6613	0	126.5	68.1	-1.2	40	0.00
	Haryana	6544	13	136.1	97.6	0.9	179	0.29
	Rajasthan	14118	0	266.6	88.6	0.9	361	0.00
	Delhi	4376	0	70.6	52.9	0.4	258	0.00
NR	UP	18101	0	315.9	107.7	-1.0	233	0.02
	Uttarakhand	2233	0	41.6	22.9	0.5	118	0.00
	HP	1839	0	33.5	27.7	0.3	217	0.00
	J&K(UT) & Ladakh(UT)	3186	550	56.5	51.4	-0.4	578	11.20
	Chandigarh	228	0	3.7	3.8	-0.1	14	0.00
	Chhattisgarh	4109	0	88.1	36.9	0.0	245	0.00
	Gujarat	16606	0	344.9	75.3	3.9	711	0.00
	MP	15396	0	299.1	172.7	-2.5	612	0.00
WR	Maharashtra	22570	0	449.6	170.7	-0.6	670	0.00
	Goa	444	0	9.6	9.2	0.1	38	0.00
	DD	341	0	7.5	7.3	0.2	25	0.00
	DNH	805	0	18.6	18.7	-0.1	28	0.00
	AMNSIL	907	0	19.2	10.2	0.9	295	0.00
	Andhra Pradesh	8701	0	164.1	79.9	0.3	557	0.00
	Telangana	10652	0	196.9	88.2	-0.5	799	0.00
SR	Karnataka	11812	0	210.0	74.8	-0.3	855	0.00
	Kerala	3353	0	67.3	54.3	0.0	258	0.00
	Tamil Nadu	13406	0	275.8	169.8	-1.1	470	0.00
	Puducherry	338	0	6.9	7.2	-0.3	31	0.00
	Bihar	4955	0	86.6	83.7	1.5	300	0.00
	DVC	3153	0	65.2	-38.9	-1.5	270	0.00
	Jharkhand	1508	0	27.1	21.4	-1.5	80	0.00
ER	Odisha	3779	0	69.6	-3.0	0.4	760	0.00
	West Bengal	5924	0	111.7	0.1	0.0	300	0.00
	Sikkim	143	0	2.2	1.8	0.4	40	0.00
	Arunachal Pradesh	136	2	2.3	2.3	-0.1	34	0.01
	Assam	1399	15	23.7	19.8	0.8	125	0.40
	Manipur	229	1	3.1	3.5	-0.4	23	0.01
NER	Meghalaya	363	0	6.9	4.3	0.1	39	0.00
	Mizoram	106	1	1.8	1.5	-0.1	26	0.01
	Nagaland	127	2	2.3	2.2	-0.1	8	0.02
	Tripura	261	1	3.6	2.5	-0.1	57	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	6.8	-11.0	-12.0
Day Peak (MW)	349.0	-619.0	-656.0

 $\underline{\textbf{E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)}\\$

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	266.1	-286.6	146.7	-128.0	1.8	0.0
Actual(MU)	263.4	-287.8	137.5	-120.2	3.8	-3.3
O/D/U/D(MU)	-2.8	-1.2	-9.3	7.9	2.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4530	10845	9202	2900	539	28015
State Sector	9946	16524	13047	4222	11	43749
Total	14476	27368	22249	7122	550	71765

G. Sourcewise generation (MU)

G. Sourcewise generation (MC)						
	NR	WR	SR	ER	NER	All India
Coal	544	1295	426	473	7	2745
Lignite	24	12	39	0	0	75
Hydro	112	46	68	35	13	274
Nuclear	23	32	65	0	0	120
Gas, Naptha & Diesel	29	23	13	0	26	90
RES (Wind, Solar, Biomass & Others)	82	96	182	4	0	365
Total	815	1505	792	512	45	3669
Share of RES in total generation (%)	10.09	6.41	22.94	0.87	0.09	9.94
Share of Non-faccil fuel (Hydro Nuclear and DES) in total generation (%)	26.70	11.64	20.71	7.66	20.04	20.70

H. All India Demand Diversity Factor

III III III III Bellalla Biversity Tuctor	
Based on Regional Max Demands	1.017
Based on State Max Demands	1.041

Based on State Max Demands

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: 26-Dec-2020

						Date of Reporting:	26-Dec-2020
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)	ı	-	-		-	
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	151 249	0.0	0.5 6.0	-0.5
3 765 kV	GAYA-VARANASI	2	0	936	0.0	13.1	-6.0 -13.1
4 765 kV	SASARAM-FATEHPUR	1	42	259	0.0	2.2	-2.2
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	 	0	584 222	0.0	9.8 4.3	-9.8 -4.3
7 400 kV	PUSAULI -ALLAHABAD	î	0	109	0.0	1.6	-1.6
8 400 kV	MUZAFFARPUR-GORAKHPUR	2 4	0	744	0.0	7.5	-7.5 15.7
9 400 kV 10 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	2	0	1007 395	0.0	15.7 6.6	-15.7 -6.6
11 400 kV	MOTIHARI-GORAKHPUR	2	0	287	0.0	5.1	-5.1
12 400 kV 13 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	83 70	207 49	0.0	1.4 0.0	-1.4 0.5
14 132 kV	SONE NAGAR-RIHAND	i	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
16 132 kV 17 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	+ +	0	0	0.0	0.0	0.0
				ER-NR	0.9	73.8	-73.0
Import/Export of ER (027		0.0	0.0	0.0
1 765 kV 2 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	836 865	0 82	9.7	0.0	9.7
3 765 kV	JHARSUGUDA-DURG	2	18	301	0.0	3.6	-3.6
4 400 kV	JHARSUGUDA-RAIGARH	4	47	468	0.0	5.7	-5.7
5 400 kV	RANCHI-SIPAT	2	268	105	2.3	0.0	2.3
6 220 kV	BUDHIPADAR-RAIGARH	1	0	132	0.0	1.6	-1.6
7 220 kV	BUDHIPADAR-KORBA	2	75	96	0.0	0.5	-0.5
Innerent/English 6777	West CD)			ER-WR	20.0	11.3	8.7
Import/Export of ER (1 HVDC	With SR) JEYPORE-GAZUWAKA B/B	2	0	475	0.0	11.0	-11.0
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1978	0.0	44.7	-44.7
3 765 kV	ANGUL-SRIKAKULAM	2	30335	2678	0.0	48.5	-48.5
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	290 1	928	0.0	4.0 0.0	-4.0 0.0
			•	ER-SR	0.0	104.2	-104.2
Import/Export of ER (With NER) BINAGURI-BONGAIGAON	2	215	190	0.7		Α7
1 400 kV 2 400 kV	ALIPURDUAR-BONGAIGAON	2	215 334	190 205	0.7 1.0	0.0	0.7 1.0
3 220 kV	ALIPURDUAR-SALAKATI	2	53	49	0.0	0.0	0.0
Import/Export of NER	(With NP)			ER-NER	1.7	0.0	1.7
	BISWANATH CHARIALI-AGRA	2	488	0	5.8	0.0	5.8
				NER-NR	5.8	0.0	5.8
Import/Export of WR 1 HVDC	CHAMPA-KURUKSHETRA	2	0	1504	0.0	42.9	-42.9
2 HVDC	VINDHYACHAL B/B	-	238	303	2.6	0.7	1.9
3 HVDC	MUNDRA-MOHINDERGARH	2	133	1921	0.0	40.1	-40.1
4 765 kV 5 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	2 2	15 0	2628 1560	0.0	46.5 22.9	-46.5 -22.9
6 765 kV	JABALPUR-ORAI	2	Ŏ	1093	0.0	43.3	-43.3
7 765 kV	GWALIOR-ORAI	1	709	3	12.0	0.0	12.0
8 765 kV 9 765 kV	SATNA-ORAI CHITORGARH-BANASKANTHA	1 2	0 96	1380 971	0.0	27.5 9.1	-27.5 -9.1
10 400 kV	ZERDA-KANKROLI	1	149	143	0.0	0.5	-0.5
11 400 kV	ZERDA -BHINMAL	1	344	317	0.0	2.3	-2.3
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2	971 111	516 3962	22.6 0.0	0.0 4.5	22.6 -4.5
14 220 kV	BHANPURA-RANPUR	1	0	175	0.0	2.3	-2.3
15 220 kV 16 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	11 121	32 0	0.0 0.6	1.2 0.0	-1.1 0.6
17 220 kV	MALANPUR-AURAIYA	1	115	6	1.7	0.0	1.7
18 132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19 132 kV	RAJGHAT-LALITPUR	2	0	72 WR-NR	0.0 39.4	0.0 243.9	0.0 -204.4
Import/Export of WR	(With SR)			WK-NK	39.4	243.9	-204.4
1 HVDC	BHADRAWATI B/B		0	1016	0.0	15.5	-15.5
2 HVDC 3 765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR	2	0 625	1490 2397	0.0	16.6 23.5	-16.6 -23.5
4 765 kV	WARDHA-NIZAMABAD	2	3	2834	0.0	37.9	-37.9
5 400 kV	KOLHAPUR-KUDGI	2	1205	0	18.2	0.0	18.2
6 220 kV 7 220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	1	0	0			
8 220 kV	XELDEM-AMBEWADI			Ŏ	0.0	0.0	0.0
	AELDEM-AMBEWADI	1	0	0 40	0.0 0.7	0.0	0.0 0.0 0.7
	ALLDEW-AMBEWADI	1		0 40 WR-SR	0.0	0.0	0.0
	T	1 INTER	NATIONAL EXCHA	0 40 WR-SR	0.0 0.7 19.0	0.0 0.0 93.4	0.0 0.0 0.7 -74.5
State	Region	INTER Line	NATIONAL EXCHA	0 40 WR-SR	0.0 0.7	0.0	0.0 0.0 0.7 -74.5 Energy Exchange
State	Region	INTER Line 400kV MANGDECHH	NATIONAL EXCHA Name U-ALIPURDUAR 1&2	0 40 WR-SR NGES Max (MW)	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MU)
State	T	I INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from	0 40 WR-SR	0.0 0.7 19.0	0.0 0.0 93.4	0.0 0.0 0.7 -74.5 Energy Exchange
State	Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGE	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV	0 40 WR-SR NGES Max (MW)	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2
State	Region	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI	0 40 WR-SR NGES Max (MW)	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MU)
	Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGE	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW)	0 40 WR-SR NGES Max (MW)	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2
State BHUTAN	Region ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHHE 94 400kV TALA-BINAGU MELBASE - BINAGU MELBIT (from TAL-2 20kV CHUKHA-BIR MALBASE - BIRPAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RJ 1,24 (& 400kV RJ 1,24 (& 400kV PARA 1&2 (& 220kV 4) i.e. BIRPARA	0 40 WR-SR NGES Max (MW)	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2
	Region ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL- 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RD i.e. BINAGURI HEP (6*170MW) *2ARA 1&2 (& 220kV 4) i.e. BIRPAGWA VI.E. BIRPAGWA KHA HEP 4*84MW)	0 40 WR-SR NGES Max (MW) 194	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2
	Region ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHHE 94 400kV TALA-BINAGU MELBASE - BINAGU MELBIT (from TAL-2 20kV CHUKHA-BIR MALBASE - BIRPAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RD i.e. BINAGURI HEP (6*170MW) *2ARA 1&2 (& 220kV 4) i.e. BIRPAGWA VI.E. BIRPAGWA KHA HEP 4*84MW)	0 40 WR-SR NGES Max (MW) 194	0.0 0.7 19.0 Min (MW)	0.0 0.0 93.4 Avg (MW)	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2
	Region ER ER ER	INTER Line 400kV MANGDECHU 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) MALBASE - BIRAFU	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) 1,2,4 (& 400kV RI) 1,6 BINAGURI .HEP (% 170MW) PARA 1&2 (& 220kV 4) i.e. BIRPARA (HA HEP 4*84MW)	0 40 WR-SR NGES Max (MW) 194 140 0	0.0 0.7 19.0 Min (MW) 0	0.0 0.0 93.4 Avg (MW) 135	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2
	Region ER ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL- 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) 1,2,4 (& 400kV RI) 1,6 BINAGURI .HEP (% 170MW) PARA 1&2 (& 220kV 4) i.e. BIRPARA (HA HEP 4*84MW)	0 40 WR-SR WGES Max (MW) 194 140	0.0 0.7 19.0 Min (MW) 0	0.0 0.0 93.4 Avg (MW) 135	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2
	Region ER ER ER NER	INTER Line 400kV MANGDECHH Le. ALIPUDAR RE MANGDECHU HEP 4 400kV TALA.BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALI 132KV-GEYLEGPHU 132kV Motanga-Rangi	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) IRI 1,2.4 (& 400kV RRI 1,2.4 (& 400kV RRI 1,2.4 (& 200kV ARA 1&2 (& 220kV A) 1,c. BIRPARA LIMA HEP 4*SAMW) - SALAKATI a	0 40 WR-SR NGES Max (MW) 194 140 0	0.0 0.7 19.0 Min (MW) 0 0	0.0 0.0 93.4 Avg (MW) 135 135	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2
	Region ER ER ER NER	INTER Line 400kV MANGDECHU 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) MALBASE - BIRAFU	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV RR) 1,2.4 (& 400kV RR) 1,2.4 (& 400kV APARA 1&2 (& 4220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a	0 40 WR-SR NGES Max (MW) 194 140 0	0.0 0.7 19.0 Min (MW) 0 0	0.0 0.0 93.4 Avg (MW) 135 135	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2
	Region ER ER ER NER	INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA-BINAGI 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRARR 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from **1880MV) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV RI 1,2,4 (& 400kV A) i.e. BINAGURI .HEP (%*1704TW) **274RA 1&2 (& 220kV A) i.e. BIRPARA (LIHA HEP 4**84MW) - SALAKATI a :	0 40 WR-SR WR-SR NGES Max (MW) 194 140 0	0.0 0.7 19.0 Min (MW) 0 0	0.0 0.0 93.4 Avg (MW) 135 135 0 -10	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2
	Region ER ER ER NER	INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA-BINAGI 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRARR 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV RR) 1,2.4 (& 400kV RR) 1,2.4 (& 400kV APARA 1&2 (& 4220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a	0 40 WR-SR WR-SR NGES Max (MW) 194 140 0	0.0 0.7 19.0 Min (MW) 0 0	0.0 0.0 93.4 Avg (MW) 135 135 0 -10	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2
	Region ER ER ER NER NER	INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA-BINAGI 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRARR 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from **1880MV) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV RI 1,2,4 (& 400kV A) i.e. BINAGURI .HEP (%*1704TW) **274RA 1&2 (& 220kV A) i.e. BIRPARA (LIHA HEP 4**84MW) - SALAKATI a :	0 40 WR-SR WR-SR Max (MW) 194 140 0 20 9	0.0 0.7 19.0 Min (MW) 0 0 -4 2	0.0 0.0 93.4 Avg (MW) 135 135 0 -10	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2 -0.2
	Region ER ER ER NER NER	INTER Line 400kV MANGDECHH 400kV MANGDECHH HEP 4 400kV TALA-BINAGI 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 1220kV CHUKHA-BIR MALBASE - BIRARR 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RRI 1,24 (& 400k V RRI 1,24 (& 4	0 40 WR-SR WR-SR Max (MW) 194 140 0 20 9	0.0 0.7 19.0 Min (MW) 0 0 -4 2	0.0 0.0 93.4 Avg (MW) 135 135 0 -10	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2 -0.2
BHUTAN	Region ER ER ER NER NER NER ER	INTER Line 4008V MANGDECHH ie. ALIPUNDUAR RE MANGDECHU HEP 4 4008V TALA-BINAGI MALBASE - BINAGU ECCEIPT (from TAL/ 2208V CHUKHA-BIR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR() MAHENDRANAGAR 400KV-MUZAFFARP	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RRI 1,24 (& 400k V RRI 1,24 (& 4	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2 -0.2
BHUTAN	Region ER ER ER NER NER NER ER	INTER Line 4008V MANGDECHH ie. ALIPUNDUAR RE MANGDECHU HEP 4 4008V TALA-BINAGI MALBASE - BINAGU ECCEIPT (from TAL/ 2208V CHUKHA-BIR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR() MAHENDRANAGAR 400KV-MUZAFFARP	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from **1880MV) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV RI 1,2,4 (& 400kV A) i.e. BINAGURI HEP (%*1704TW) **274RA 1&2 (& 220kV A) i.e. BIRPARA (KHA HEP 4**84MW) - SALAKATI a UR - DHALKEBAR DC AL	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2 -0.2
BHUTAN	Region ER ER ER NER NER NER ER	INTER Line 400kV MANGDECHH LE, ALIPURDAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGR RECEIPT (from TALA 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV ARA 1&2 (& 220kV A) i.e. BIRPARA ALIAN (& 2 EXPRINA ALIAN (A) IRIPARA ALIAN (A	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9 -64 -280	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0 -218	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49 -255	0.0 0.0 0.7 -74.5 Energy Exchange (MI) 3.2 0.2 -0.2 -0.1 -1.2 -6.1
BHUTAN	Region ER ER ER NER NER NER ER	INTER Line 4008V MANGDECHH Le. ALIPUNDAR RE MANGDECHU HEP 4 4008V TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV IRI 1,2.4 (& 400kV RI 1,2.4 (& 400kV A) i.e. BINAGURI HEP (% 170nW) PARA 1&2 (& 220kV A) i.e. BIRPARA CHA HEP 4*84MW) - SALAKATI a IHI - PG) UR - DHALKEBAR DC ML (BANGLADESH)	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9 -64 -280	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0 -218	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49 -255	0.0 0.0 0.7 -74.5 Energy Exchange (MI) 3.2 0.2 -0.2 -0.1 -1.2 -6.1
BHUTAN NEPAL	Region ER ER ER NER NER NER ER ER ER ER	INTER Line 4008V MANGDECHH ie. ALIPUNDUAR RE MANGDECHU HEP 4 4008V TALA-BINAGI MALBASE - BINAGU RECEIPT (from TAL/ 2208V CHUKHA-BIR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(N MAHENDRANAGAR) 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLAI COMILLA(BANGLAI COMILLA(BANGLAI COMILLA(BANGLAI	NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV IRI 1,2.4 (& 400kV R) 1e. BINAGUR! .HEP (6*170MW) PARA 1&2 (& 4220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a HH) - PG) UR - DHALKEBAR DC AL (BANGLADESH)	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9 -64 -280 -275	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0 -218	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49 -255 -155	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 -0.2 -0.2 -1.2 -4.1 -1.2 -4.1
BHUTAN NEPAL	Region ER ER ER NER NER NER ER ER ER ER	INTER Line 4008V MANGDECHH Le. ALIPUNDAR RE MANGDECHU HEP 4 4008V TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 132KV-SURAJMANI 132KV-SURAJMANI	NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV ARA 1&2 (& 220kV A) i.e. BIRPARA ALIAN (& EASTE AND ARA INITIAL IRIPURCHAIA UR - DHALKEBAR DC AL (BANGLADESH) NAGAR - DESH)-1 NAGAR -	0 40 WR-SR WR-SR Max (MW) 194 140 0 -20 9 -64 -280 -275	0.0 0.7 19.0 Min (MW) 0 0 -4 2 0 -218	0.0 0.0 93.4 Avg (MW) 135 135 0 -10 3 -49 -255 -155	0.0 0.0 0.7 -74.5 Energy Exchange (MII) 3.2 3.2 0.2 -0.2 -0.1 -1.2 -6.1 -3.7