

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

दिनांक: 25th Nov 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 24.11.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-नवंबर-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 24th November 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: 25-Nov-2020 NR 45190 WR TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 38266 153510 Peak Shortage (MW) 263 268 Energy Met (MU) Hydro Gen (MU) 889 1202 858 342 42 3332 104 37 90 45 14 290 16 26.81 3.09 Wind Gen (MU) Solar Gen (MU)* 18 32.68 58 141 4.37 0.12 76.64 0.00 Souar Gen (MU)²
Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 0.00 56904 0.00 3.12 157052 45518 2593 41007 17496 18:29 10:46 18:03 B. Frequency Profile (%) FVI 0.030 < 49.7 0.00 < 49.9 5.67 49.9 - 50.05 > 50.05 77.28 17.05 Region All India

l India	0.030	0.00	0.09	5.58	5.67	77.28	17.05	
Power Sun	ply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	O.M.D.	Schedule	O.FTD	(3.000)	Shortag
_		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	5229	263	102.7	83.6	-0.6	162	3.04
	Harvana	6043	0	120.5	113.1	0.8	296	0.01
	Rajasthan	12819	0	236.2	66,9	-0.6	365	0.00
	Delhi	3541	0	62.6	44.8	0.6	272	0.00
NR	UP	14111	0	245.5	92.1	-1.8	500	0.04
	Uttarakhand	1923	0	36.4	28.5	0.2	123	0.00
	HP	1659	0	30.6	23.7	-0.8	89	0.00
	J&K(UT) & Ladakh(UT)	2460	o o	51.2	45.0	0.8	364	0.00
	Chandigarh	192	0	3.2	3.2	0.1	32	0.00
	Chhattisgarh	3466	0	74.6	17.0	-0.3	223	0.00
	Gujarat	15944	0	335.4	58.8	3.1	510	0.00
	MP	14062	o o	275.9	180.6	-2.4	537	0.00
WR	Maharashtra	22275	0	462.6	158.2	-2.5	477	0.00
	Goa	498	0	10.3	10.0	-0.2	48	0.00
	DD	340	0	7.4	7.2	0.2	20	0.00
	DNH	797	0	18.3	17.9	0.4	58	0.00
	AMNSIL	795	0	17.4	1.2	0.1	68	0.00
	Andhra Pradesh	7877	0	166.8	86.6	0.8	390	0.00
	Telangana	7095	0	146.3	46,9	0.8	256	0.00
SR	Karnataka	10441	0	200.9	70.8	0.8	376	0.00
524	Kerala	3573	0	71.2	54.5	0.7	336	0.00
	Tamil Nadu	12971	0	266.4	193,4	0.6	666	0.00
	Puducherry	315	0	5.9	6.8	-0.9	0	0.00
	Bihar	4289	0	72.5	71.6	-0.1	220	0.00
	DVC	3047	0	63.6	-50.5	-1.2	170	0.00
	Jharkhand	1327	0	24.6	17.8	-1.8	110	0.00
ER	Odisha	3805	0	69.6	3.5	-0.9	230	0.00
	West Bengal	5974	0	110.1	29.5	0.5	255	0.00
	Sikkim	100	0	1.5	1.7	-0.2	10	0.00
	Arunachal Pradesh	125	2	2.1	2.3	-0.2	24	0.01
	Assam	1465	11	23.8	20.5	0.3	111	0.00
	Manipur	219	1	2.8	2.9	0.0	55	0.01
NER	Meghalaya	365	1	6.3	2.7	0.2	50	0.00
	Mizoram	106	1	1.6	1.1	0.2	53	0.00
	Nagaland	134	2	2.2	1.7	0.3	55	0.01
	Tripura	232	2	3.5	2.1	-0.4	8	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	11.8	-3.0	-15.3
Day Peak (MW)	528.0	-287.1	-824.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.0	-327.5	153.4	-121.5	3.7	0.0
Actual(MU)	281.6	-324.2	164.4	-131.5	4.2	-5.4
O/D/U/D(MU)	-10.4	3.4	11.1	-10.0	0.6	-5.4

F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	7300	11743	10782	3100	789	33714
State Sector	16031	15840	14207	6092	11	52180
Total	23331	27582	24989	9192	801	85894

G. Sourcewise generation (MU)						
	NR	WR	SR	ER	NER	All India
Coal	389	1304	377	443	8	2520
Lignite	19	16	29	0	0	63
Hydro	104	37	90	45	14	290
Nuclear	28	33	65	0	0	126
Gas, Naptha & Diesel	21	92	13	0	21	147
RES (Wind, Solar, Biomass & Others)	63	63	135	4	0	266
Total	623	1546	707	492	43	3411
Share of RES in total generation (%)	10.17	4.09	19.02	0.88	0.28	7.79
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	31 27	8 62	40.85	9 97	33 84	19 96

н.	All India D	eman	d Div	ersi	ty F	actor					
Bas	ed on Regi	onal l	Max 1	Dem	and	s				1.04	1
Bas	sed on State	Max Max	Den	nand:	S					1.08	0
- TO:		-	-	_	•		-	-	1 / 4 11 7 11	•	-

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: 25-Nov-2020

						Date of Reporting:	25-Nov-2020
Sl No Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER							l .
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	351 299	0.0	8.2 7.1	-8.2 -7.1
3 765 kV	GAYA-VARANASI	2	0	888	0.0	10.4	-10.4
4 765 kV	SASARAM-FATEHPUR	1	148	245	0.0	1.1	-1.1
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	+ +	0	577 246	0.0	10.2 5.2	-10.2 -5.2
7 400 kV	PUSAULI -ALLAHABAD	i	Ů	113	0.0	1.8	-1.8
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	43	666	0.0	4.9	-4.9
9 400 kV 10 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4	0	1158 555	0.0	17.7 7.5	-17.7 -7.5
11 400 kV	MOTIHARI-GORAKHPUR	2	ő	335	0.0	4.7	-4.7
12 400 kV	BIHARSHARIFF-VARANASI	2	146	158	0.4	0.0	0.4
13 220 kV 14 132 kV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	+ +	63	49	0.3	0.0 0.0	0.3 0.0
15 132 kV	GARWAH-RIHAND	i	20	ő	0.2	0.0	0.2
16 132 kV	KARMANASA-SAHUPURI	111	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	0.0 78.6	0.0 -77.7
Import/Export of ER	(With WR)				0.2	70.0	-77.7
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	712	987	0.0	0.5	-0.5
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	856	151	10.2	0.0	10.2
3 765 kV	JHARSUGUDA-DURG	2	131	158	0.0	0.9	-0.9
4 400 kV	JHARSUGUDA-RAIGARH	4	400	0	5.3	0.0	5.3
5 400 kV	RANCHI-SIPAT	2	313	0	4.4	0.0	4.4
6 220 kV	BUDHIPADAR-RAIGARH	1	48	87	0.0	0.3	-0.3
7 220 kV	BUDHIPADAR-KORBA	2	140	0 ER-WR	1.8	0.0	1.8
Import/Export of ER	(With SR)			£K-WR	21.7	1.7	20.0
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	537	0.0	12.4	-12.4
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	2381	0.0	40.6	-40.6
3 765 kV 4 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0 224	2568 1040	0.0	47.5 7.5	-47.5 -7.5
5 220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
				ER-SR	0.0	100.4	-100.4
Import/Export of ER 1 400 kV	(With NER) BINAGURI-BONGAIGAON	2	0	428	0.0	5.8	-5.8
2 400 kV	ALIPURDUAR-BONGAIGAON	2	0	550	0.0	5.8 5.8	-5.8 -5.8
3 220 kV	ALIPURDUAR-SALAKATI	2	ŏ	111	0.0	1.5	-1.5
Import/Export of NE	D (With ND)			ER-NER	0.0	13.2	-13.2
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	9.4	-9.4
		-	*	NER-NR	0.0	9.4	-9.4
Import/Export of WR	(With NR)	1 1	Ι Δ	2001	0.0	14.2	44.2
1 HVDC 2 HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0	2001 3	0.0	44.2 0.0	-44.2 0.0
3 HVDC	MUNDRA-MOHINDERGARH	2	Ŏ	1917	0.0	37.4	-37.4
4 765 kV	GWALIOR-AGRA	2	0	2940	0.0	52.3	-52.3
5 765 kV 6 765 kV	PHAGI-GWALIOR JABALPUR-ORAI	2 2	0	1638 1158	0.0	21.5 36.9	-21.5 -36.9
7 765 kV	GWALIOR-ORAI	1	569	0	8.4	0.0	8.4
8 765 kV	SATNA-ORAI	1	0	1547	0.0	31.7	-31.7
9 765 kV	CHITORGARH-BANASKANTHA	2	235	785	0.0	6.6	-6.6
10 400 kV 11 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	85 123	143 366	0.0	0.2 2.7	-0.2 -2.7
12 400 kV	VINDHYACHAL -RIHAND	1	971	0	22.4	0.0	22.4
13 400 kV	RAPP-SHUJALPUR	2	130	438	0.1	3.2	-3.1
14 220 kV 15 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1 1	3 11	148 0	0.0	1.7 0.3	-1.7 0.0
16 220 kV	MEHGAON-AURAIYA	1	84	17	0.2	0.3	-0.1
17 220 kV	MALANPUR-AURAIYA	1	49	38	0.5	0.0	0.5
18 132 kV 19 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1	0	0	0.0	0.0	0.0
1) 132 KV	KAJGHAT-LALITI CK			WR-NR	0.0 31.9	0.0 238.9	-207.0
Import/Export of WR						•	
1 HVDC 2 HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	999 1499	0.0	16.7 25.7	-16.7 -25.7
3 765 kV	SOLAPUR-RAICHUR	2	344	2506	v.v	40.1	
4 765 kV	WARDHA-NIZAMABAD	2		4500	0.0	33.0	-25.7
5 400 kV	KOLHAPUR-KUDGI		25	1973	0.0	27.1	-33.0 -27.1
6 220 kV 7 220 kV		2	592	1973 168	0.0 4.8	27.1 0.2	-33.0 -27.1 4.6
8 220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 1		1973	0.0 4.8 0.0	27.1 0.2 0.0	-33.0 -27.1 4.6 0.0
0 220 KV	KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2	592 0	1973 168 0 0 46	0.0 4.8 0.0 0.0 0.8	27.1 0.2 0.0 0.0 0.0	-33.0 -27.1 4.6 0.0 0.0 0.8
0 420 KV	PONDA-AMBEWADI	2 1 1	592 0 1 0	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0	27.1 0.2 0.0 0.0	-33.0 -27.1 4.6 0.0 0.0
o 220 KV	PONDA-AMBEWADI	2 1 1	592 0 1	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8	27.1 0.2 0.0 0.0 0.0	-33.0 -27.1 4.6 0.0 0.0 0.8 -97.1
State	PONDA-AMBEWADI	2 1 1 1 INTER	592 0 1 0	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8	27.1 0.2 0.0 0.0 0.0	-33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange
	PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 1 1 1 INTER Line	592 0 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8 5.6	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW)	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1
	PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE	592 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8 5.6	27.1 0.2 0.0 0.0 0.0 102.8	-33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange
	PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 1 1 1 INTER Line	592 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW)	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8 5.6	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW)	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1
	PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 1 1 1 INTER Line Line Lea ALIPURDUER RE MANGDECHH PL 400KV MANGDECH HEP 4 400KV TALA BINAGU MALBASE BINAGU MALBASE BINAGU	\$92 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) I'RI 1,2.4 (& 400kV RD) i.e. BINAGURI	1973 168 0 0 46 WR-SR	0.0 4.8 0.0 0.0 0.8 5.6	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW)	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1
	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU	592 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR I & 2 CEIPT (from = 180MW) RI 1,2,4 (4 400kV RI) i.e. BINAGURI	1973 168 0 0 46 WR-SR NGES Max (MW)	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW)	-33.0 -27.1 -4.6 -0.0 -0.8 -97.1 Energy Exchange (MU)
	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 1 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALEAFF BINAGU MALEAFF BINAGU MALBASE - BINAGU MALBASE - BIRPAR	592 0 1 1 0 NATIONAL EXCHA! Name 180MW) 180MW) 1811,24 (4400kV RI) i.e. BINAGURI HEP (64170MW) PARA I&2 (& 220kV	1973 168 0 0 46 WR-SR NGES Max (MW)	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW)	-33.0 -27.1 -4.6 -0.0 -0.8 -97.1 Energy Exchange (MU)
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV 7B.A.BINAGU MALBASE - BINAGU RECEIPT (from TAL) 220kV CHUKHA-BIR	592 0 1 1 0 NATIONAL EXCHA! Name 180MW) 180MW) 1811,24 (4400kV RI) i.e. BINAGURI HEP (64170MW) PARA I&2 (& 220kV	1973 168 0 0 46 WR-SR NGES Max (MW) 180	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW) 170 287	33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -4.1 -7.0
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALEAFF BINAGU MALEAFF BINAGU MALBASE - BINAGU MALBASE - BIRPAR	592 0 1 1 0 NATIONAL EXCHA! Name 180MW) 180MW) 180MW) 181 1,24 (400kV RD i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	1973 168 0 0 46 WR-SR NGES Max (MW) 180	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 102.8 Avg (MW) 170 287	33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -4.1 -7.0
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	592 0 1 1 0 NATIONAL EXCHA! Name 180MW) 180MW) 180MW) 181 1,24 (400kV RD i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII)
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	592 0 1 1 0 NATIONAL EXCHA! NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) PRI 1,2,4 (& 400kV PRI 1,2,4 (& 400kV A) i.e. BINAGURI HEP (6=170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) -SALAKATI	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287	0.0 4.8 0.0 0.0 0.8 5.6 Min (MW)	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII)
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	592 0 1 1 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	1973 168 0 0 0 WR-SR NGES Max (MW) 180 287 95	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MII) 4.1 7.0 0.3
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER	2 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) ZENV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132kV Motanga-Rangi 132KV-TANAKPUR()	592 0 1 1 0 NATIONAL EXCHA! Name L'ALIPPURDUAR 1&2 CEIPT (from *189MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV A) i.e. BINAGURI NEP (6*170MW) PARA 1&2 (& 2250kV A) i.e. BIRPARA L'ALIPPURDUAR 1&2 SALAKATI is	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -111	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -1.0 -0.3 -0.1
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	592 0 1 1 0 NATIONAL EXCHA! Name L'ALIPPURDUAR 1&2 CEIPT (from *189MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV A) i.e. BINAGURI NEP (6*170MW) PARA 1&2 (& 2250kV A) i.e. BIRPARA L'ALIPPURDUAR 1&2 SALAKATI is	1973 168 0 0 0 WR-SR NGES Max (MW) 180 287 95	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MII) 4.1 7.0 0.3
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 INTER Line 400kV MANGDECHH Line 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBARE - BINAGU MALBARE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAFA MALBASE - BIRAFA MALBASE - BIRAFA ISZÁV-TANAKPUR() MAHENDRANAGAR	592 0 1 1 0 NATIONAL EXCHA! NAME U-ALIPURDUAR 1&2 CEIPT (from * 180MW) PIR 1:2.4 (& 400kV RI) to 180 (400kV RI) to 180 (1973 168 0 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266 0 8	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MII) 4.1 7.0 0.3 -0.1
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER	2 INTER Line 400kV MANGDECHH Line 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBARE - BINAGU MALBARE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAFA MALBASE - BIRAFA MALBASE - BIRAFA ISZÁV-TANAKPUR() MAHENDRANAGAR	592 0 1 1 0 NATIONAL EXCHA! Name L'ALIPPURDUAR 1&2 CEIPT (from *189MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV A) i.e. BINAGURI NEP (6*170MW) PARA 1&2 (& 2250kV A) i.e. BIRPARA L'ALIPPURDUAR 1&2 SALAKATI is	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -111	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -1.0 -0.3 -0.1
State BHUTAN	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S92 0 1 1 0 NATIONAL EXCHA! Name 180MW; 180MW; 180MW; 180MW; 181 1,24 (400kV R) i.e. BINAGUR! HEP (6+170MV) PARA 1 &2 (& 220kV A) A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI ia ia iii iiiiiiiiiiiiiiiiiiiiiiiiiii	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -111 -22 -13	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8 -5	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -5	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -1.0 -0.1 -0.1 -1.6
State	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 INTER Line 400kV MANGDECHH Line 400kV MANGDECHU HEP 4 400kV TALA-BINAGU MALBARE - BINAGU MALBARE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAFA MALBASE - BIRAFA MALBASE - BIRAFA ISZÁV-TANAKPUR() MAHENDRANAGAR	S92 0 1 1 0 NATIONAL EXCHA! Name 180MW; 180MW; 180MW; 180MW; 181 1,24 (400kV R) i.e. BINAGUR! HEP (6+170MV) PARA 1 &2 (& 220kV A) A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI ia ia iii iiiiiiiiiiiiiiiiiiiiiiiiiii	1973 168 0 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266 0 8	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MII) 4.1 7.0 0.3 -0.1
State BHUTAN	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER ER	2 1 1 1 1 INTER Line 400kV MANGDECHH Le, ALIPUUAR RE MANGDECHU HEP4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) 220kV CHUKHA-BIR MALBASE - BIRARA 132KV-GEYLEGPHU 132KV-TANAKPURN MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP,	592 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1973 168 0 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22 -13 -152	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266 0 8 -5	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -67	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MUI) 4.1 7.0 0.3 -0.1 -0.4 -1.6
State BHUTAN	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	592 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -111 -22 -13	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8 -5	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -5	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MII) -1.0 -0.1 -0.1 -1.6
State BHUTAN NEPAL	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER ER ER	2 1 1 1 1 INTER Line 400kV MANGDECHH Le, ALIPUUAR RE MANGDECHU HEP4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) 220kV CHUKHA-BIR MALBASE - BIRARA 132KV-GEYLEGPHU 132KV-TANAKPURN MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP,	S92 0 1 1 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 KH) - PG) UUR - DHALKEBAR DC AL (BANGLADESH)	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22 -13 -152 -718	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8 -5 0 -1 -402	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -5 -67 -53	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MID) -4.1 -0.3 -0.1 -0.4 -0.1 -1.6 -1.3
State BHUTAN	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S92 0 1 1 0 NATIONAL EXCHA! Name 12-ALIPPURDUAR 1&2 CEIPT (from *189MW) 181 12.4 (& 400kV 181 12.4 (&	1973 168 0 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22 -13 -152	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266 0 8 -5	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -67	33.0 -27.1 4.6 0.0 0.0 0.8 -97.1 Energy Exchange (MUI) 4.1 7.0 0.3 -0.1 -0.4 -1.6
State BHUTAN NEPAL	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER ER NER NER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL- 220kV CHUKHA-BIR MALBASE - BIRAFAR 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP, BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLAI	S92 0 1 1 0 NATIONAL EXCHA! Name 12-ALIPPURDUAR 1&2 CEIPT (from *189MW) 181 12.4 (& 400kV 181 12.4 (&	1973 168 0 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22 -13 -152 -122 -718	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 0 266 0 8 -5 0 -1 -402	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -67 -53 -551 -43	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MUI) -4.1 7.0 -0.3 -0.1 -0.4 -1.6 -1.3 -1.3.2 -1.0
State BHUTAN NEPAL	PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER ER ER	INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL- 200kV CHUKHA-BIR MALBASE - BINAGU HALBASE - BIRAGU HALBASE	S92 0 1 1 1 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) PRI 1,24 (& 400kV PRI 1,24 (& 400kV A) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA LEAN A 1	1973 168 0 0 46 WR-SR NGES Max (MW) 180 287 95 -11 -22 -13 -152 -718	0.0 4.8 0.0 0.0 0.0 0.8 5.6 Min (MW) 266 8 -5 0 -1 -402	27.1 0.2 0.0 0.0 0.0 0.0 102.8 Avg (MW) 170 287 14 -3 -15 -5 -67 -53	-33.0 -27.1 -4.6 -0.0 -0.0 -0.8 -97.1 Energy Exchange (MID) -4.1 -7.0 -0.3 -0.1 -0.4 -1.6 -1.3 -13.2