

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: 6th May 2021

To,

- 1. कार्यकारी निदेशक, पु.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. प्. 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 05.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक ०५-मई -२०२१ 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 May 2021, 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: 06-May-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	49141	49694	41270	16877	2450	159432
Peak Shortage (MW)	140	0	0	0	7	147
Energy Met (MU)	1088	1260	1010	387	43	3788
Hydro Gen (MU)	203	55	62	48	12	380
Wind Gen (MU)	16	82	20		-	118
Solar Gen (MU)*	50.53	39.16	103.81	4.87	0.15	199
Energy Shortage (MU)	6.83	0.00	0.00	0.00	0.04	6.87
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52685	55470	47597	17747	2580	168017
Time Of Maximum Demand Met (From NLDC SCADA)	23:00	14:39	12:26	03:08	18:50	11:48

B. Frequency Profile (%)
Region
All India

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MIC)	(MU)	(MC)	(1111)	(MU)
	Punjab	6518	0	146.9	83.8	-1.5	92	0.00
	Haryana	7597	0	149.0	115.3	0.8	178	0.00
	Rajasthan	11173	0	227.7	70.8	3.3	707	0.00
	Delhi	4444	0	84.6	68.4	-0.8	89	0.00
NR	UP	19799	0	365.3	142.6	1.4	916	0.18
	Uttarakhand	1672	0	35.7	16.4	-0.6	117	0.00
	HP	1392	0	27.2	7.7	-0.7	164	0.00
	J&K(UT) & Ladakh(UT)	2353	0	47.5	28.0	-0.6	307	6.65
	Chandigarh	189	0	4.1	4.5	-0.4	0	0.00
	Chhattisgarh	3842	0	89.5	29.2	-0.7	237	0.00
	Gujarat	17148	0	370.5	115.6	0.5	805	0.00
	MP	10122	0	227.6	134.0	-1.5	432	0.00
WR	Maharashtra	23433	0	522.7	161.6	-1.3	769	0.00
	Goa	521	0	11.4	11.3	-0.2	34	0.00
	DD	300	0	6.7	6.5	0.2	15	0.00
	DNH	690	0	16.0	16.0	0.0	40	0.00
	AMNSIL	680	0	15.4	1.6	0.4	247	0.00
	Andhra Pradesh	9996	0	200.7	116.5	0.3	408	0.00
	Telangana	7932	0	162.8	52.9	-1.8	462	0.00
SR	Karnataka	10630	0	208.6	69.6	-0.2	467	0.00
	Kerala	3834	0	75.7	51.4	0.4	275	0.00
	Tamil Nadu	15557	0	352.5	241.9	-0.8	446	0.00
	Puducherry	437	0	9.4	9.4	-0.1	46	0.00
	Bihar	4718	0	86.7	82.2	-1.4	240	0.00
	DVC	2793	0	58.3	-47.0	-0.1	141	0.00
	Jharkhand	1212	0	23.5	20.1	-2.1	132	0.00
ER	Odisha	4270	0	89.2	23.1	-0.7	298	0.00
	West Bengal	6458	0	128.6	12.0	-2.3	154	0.00
	Sikkim	68	0	1.1	1.0	0.1	47	0.00
	Arunachal Pradesh	121	2	2.3	2.3	-0.1	23	0.01
	Assam	1367	0	25.0	20.9	-0.5	94	0.00
	Manipur	193	1	2.4	2.4	0.0	29	0.01
NER	Meghalaya	335	0	5.8	3.7	0.2	47	0.00
	Mizoram	103	2	1.6	1.5	0.0	30	0.01
	Nagaland	139	1	2.1	2.1	0.0	21	0.01
	Trinura	275	0	43	3.6	0.1	85	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.4	-11.9	-23.5
Day Peak (MW)	688.0	-636.0	-1020.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	243.6	-302.6	170.0	-113.5	2.5	0.0
Actual(MU)	235.7	-298.2	174.3	-121.0	3.8	-5.4
O/D/U/D(MU)	-8.0	4.4	4.2	-7.5	1.3	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5547	15507	6752	918	913	29637	44
State Sector	11500	14570	8035	4265	11	38381	56
Total	17047	30077	14787	5183	925	68018	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	501	1317	520	503	10	2851	73
Lignite	22	8	47	0	0	77	2
Hydro	203	55	62	48	12	380	10
Nuclear	31	28	59	0	0	118	3
Gas, Naptha & Diesel	29	51	12	0	24	116	3
RES (Wind, Solar, Biomass & Others)	88	122	149	5	0	364	9
Total	874	1581	851	555	45	3907	100
							-
Share of RES in total generation (%)	10.08	7.69	17.55	0.87	0.33	9.32	
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	36.88	12 97	31 84	9.50	25 91	22.08	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Rased on State Max Demands	1.085

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-May-2021

No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	rt/Export of ER (HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.2	-6.2
3 4	765 kV 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	1 1	0	863 303	0.0	14.1 5.0	-14.1 -5.0
5	765 kV	GAYA-BALIA	i	Ö	471	0.0	8.3	-8.3
7	400 kV 400 kV	PUSAULI-VARANASI PUSAULI-ALLAHABAD	1	0	186 113	0.0	3.8 2.3	-3.8 -2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	751	0.0	10.5	-2.3 -10.5
9	400 kV	PATNA-BALIA	4	0	1127	0.0	18.4	-18.4
10 11	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	389 485	0.0	6.0 8.1	-6.0
12	400 kV	BIHARSHARIFF-VARANASI	2	0	381	0.0	5.9	-8.1 -5.9
13	220 kV	PUSAULI-SAHUPURI	11	14	91	0.0	1.2	-1.2
14 15	132 kV 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	1	20	0	0.0	0.0	0.0 0.6
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Import	t/Export of ER (With WR)			ER-NR	0.6	89.6	-89.1
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1362	0	24.3	0.0	24.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	401	463	0.0	1.3	-1.3
3	765 kV	JHARSUGUDA-DURG	2	40	143	0.0	1.1	-1.1
4	400 kV	JHARSUGUDA-RAIGARH	4	5	251	0.0	3.0	-3.0
5	400 kV	RANCHI-SIPAT	2	101	152	0.0	0.4	-0.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	110	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	129	0 ER-WR	1.9	0.0	1.9
Impor	t/Export of ER (With SR)			ER-WK	26.2	6.9	19.3
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	413	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1978	0.0	44.3	-44.3
4	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0 377	2776 231	0.0	55.8 0.4	-55.8 -0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
Ime					ER-SR	0.0	109.0	-109.0
Import 1	t/Export of ER (400 kV	BINAGURI-BONGAIGAON	2	240	0	3.0	0.0	3.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	342	0	4.1	0.0	4.1
3	220 kV	ALIPURDUAR-SALAKATI	2	59	4 ER-NER	0.6	0.0	0.6
Import	t/Export of NER	(With NR)			EK-NEK	7.7	0.0	7.7
1		BISWANATH CHARIALI-AGRA	2	488	0	11.6	0.0	11.6
Imp	rt/Export of WR	(With ND)			NER-NR	11.6	0.0	11.6
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2028	0.0	36.3	-36.3
2	HVDC	VINDHYACHAL B/B		ő	249	0.0	6.0	-6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1920	0.0	48.4	-48.4
5	765 kV 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	2	0	2228 1522	0.0	42.1 23.3	-42.1 -23.3
6	765 kV	JABALPUR-ORAI	2	Ö	795	0.0	30.3	-30.3
7	765 kV	GWALIOR-ORAI	11	629	0	11.9	0.0	11.9
9	765 kV 765 kV	SATNA-ORAI CHITORGARH-BANASKANTHA	1 2	0 900	1349	0.0 12.1	29.4 0.0	-29.4 12.1
10	400 kV	ZERDA-KANKROLI	1	259	0	4,3	0.0	4.3
11	400 kV	ZERDA -BHINMAL	1	421	13	5.5	0.0	5,5
12	400 kV 400 kV	VINDHYACHAL -RIHAND	1	965 0	0 447	20.9	0.0 4.4	20.9 -4.4
14	220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	1	0	116	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	Ö	30	0.0	1.7	-1.7
16 17	220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1	91 55	0 19	0.3	0.1	0.2
18	220 kV 132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.9
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
Impor	t/Export of WR	(With SD)			WR-NR	55.8	223.7	-167.9
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	19.4	-19.4
2	HVDC	RAIGARH-PUGALUR	2	ŏ			50.6	
3	765 kV 765 kV	SOLAPUR-RAICHUR			3016	0.0	50.6	-50.6
5	/ U.S. K. V		2	94	1888	0.0	16.5	-50.6 -16.5
6	400 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	94 0 494				-50.6
	220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 494 0	1888 2027 169 0	0.0 0.0 4.0 0.0	16.5 30.1 0.3 0.0	-50.6 -16.5 -30.1 3.7 0.0
7	220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1	0 494 0 0	1888 2027 169 0	0.0 0.0 4.0 0.0 0.0	16.5 30.1 0.3 0.0 0.0	-50.6 -16.5 -30.1 3.7 0.0
	220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 494 0	1888 2027 169 0	0.0 0.0 4.0 0.0	16.5 30.1 0.3 0.0	-50.6 -16.5 -30.1 3.7 0.0
7	220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1	0 494 0 0	1888 2027 169 0 0 96 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8	16.5 30.1 0.3 0.0 0.0	-50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1
7	220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1	0 494 0 0 0 0	1888 2027 169 0 0 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8 5.8	16.5 30.1 0.3 0.0 0.0 0.0 116.9	-50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1
7	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 1 1 1 1 INTER!	0 494 0 0 0 0 NATIONAL EXCHA	1888 2027 169 0 0 96 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8	16.5 30.1 0.3 0.0 0.0	-50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1
7	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 1 INTER! 400kV MANGDECHH i.e. ALIPURDUAR RE	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEPT (from	1888 2027 169 0 0 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8 5.8	16.5 30.1 0.3 0.0 0.0 0.0 116.9	-50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1
7	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR REP 4 MANGDECHH REP 4 MANGDECHH REP 4	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from 9/88MW)	1888 2027 169 0 0 96 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8 5.8	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW)	-50.6 -16.5 -30.1 3.7 0.0 0.0 1.8 -111.1 Energy Exchange
7	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER! Line 1 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RD 1,6 BINAGURI	1888 2027 169 0 0 96 WR-SR	0.0 0.0 4.0 0.0 0.0 1.8 5.8	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW)	-50.6 -16.5 -30.1 3.7 0.0 0.0 1.8 -111.1 Energy Exchange
7	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER: Line: 400KV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEF 4 700KV TALA-BINAGU MALBASE - BINAGU MEEGEIPT (From TALA-	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from *180MW; RT1 1,24 (400RV RD 1.e. BINAGURI HEP (6*170MW)	1888 2027 169 0 96 WR-SR NGES	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW)	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW)	-50.6 -16.5 -30.1 3.7 0.0 0.0 1.8 -111.1 Energy Exchange (MII)
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 1 INTER! Line 1 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV)	1888 2027 169 0 0 WR-SR WGES Max (MW) 317 309	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW)	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW)	-50.6 -16.5 -30.1 3.7 0.0 0.0 1.8 -111.1 Energy Exchange (MII)
7 8	220 kV 220 kV 220 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER! Line : 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA. RECEIPT (from TALA.	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from p-180MW) RI 1,2,4 (8. 400RV RI 1,2,4 (8. 400RV ARA 182 (8. 220RV ARA 182 (8	1888 2027 169 0 96 WR-SR NGES	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW)	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW) 233	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER! Line: 400KV MANGDECHH Le. ALIPURDUAR RE MANGBECHU HEP 4 400KV TALA-BINACU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TALA RECEIPT (from CHUI	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from 19180MW) INT 1,24 (& 400kV RD i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220kV 4) i.e. BIRPAG W) i.e. BIRPAG KHA HEP 4*84MW)	1888 2027 169 0 96 WR-SR NGES Max (MW) 317 309 63	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233	-50.6 -16.5 -30.1 -370.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -6.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER! Line: 400KV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - BIRAGU MALBASE - BIRAGU	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from 19180MW) INT 1,24 (& 400kV RD i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220kV 4) i.e. BIRPAG W) i.e. BIRPAG KHA HEP 4*84MW)	1888 2027 169 0 0 WR-SR WGES Max (MW) 317 309	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW)	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW) 233	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH ANGBECHH HEP 4 900kV TALA-BINAGU RECEIPT (from TALL) ZUNK 'CHKHA-BIRI MALBASE - BIRNAGU RECEIPT (from CHUI 132KV-GEYLEGPHU	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RIT 1,24 (& 4000V RIT 1,24 (& 4000V APARA 1&2 (& 4220V A) i.e. BIRPARA KIM HEP 4*84MW) - SALAKATI	1888 2027 169 0 0 WR-SR WR-SR MGES Max (MW) 317 309 63	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -6.6 -6.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER! Line: 400KV MANGDECHH Le. ALIPURDUAR RE MANGBECHU HEP 4 400KV TALA-BINACU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TALA RECEIPT (from CHUI	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RIT 1,24 (& 4000V RIT 1,24 (& 4000V APARA 1&2 (& 4220V A) i.e. BIRPARA KIM HEP 4*84MW) - SALAKATI	1888 2027 169 0 96 WR-SR NGES Max (MW) 317 309 63	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233	-50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -6.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA MALBASE - BINGAU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RRI 1,2,4 (& 400kV RRI 1,2,4 (& 400kV RRI 1,2,4 (& 400kV A) i.e. BIRPARA KHA HEP 4*84MW) -SALAKATI a	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 12	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -0.3
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 1 1 INTER Line Line Line Lea ALIPURDUAR RE MANGDECHU HEP & MANGDECHU H	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RRI 1,2,4 (& 400kV RRI 1,2,4 (& 400kV RRI 1,2,4 (& 400kV A) i.e. BIRPARA KHA HEP 4*84MW) -SALAKATI a	1888 2027 169 0 0 WR-SR WR-SR MGES Max (MW) 317 309 63	0.0 0.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MIT) -5.6 -5.2 -6.6 -6.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA MALBASE - BINGAU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RRI 1,24 (& 400kV RRI 1,24 (& 400kV RRI 1,24 (& 400kV A) i.e. BIRAGURI HEP (6*170MW) -SALAKATI a SH) - (PG)	1888 2027 169 0 0 WR-SR MGES Max (MW) 317 309 63 -22 21 -73	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MU) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA- MALBASE - BINGAU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) RRI 1,24 (& 400kV RRI 1,24 (& 400kV RRI 1,24 (& 400kV A) i.e. BIRAGURI HEP (6*170MW) -SALAKATI a SH) - (PG)	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 12	50.6 -16.5 -30.1 -370.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -0.3
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 INTER 2 2 1 1 INTER Line 400KV MANGDECHH 10-ALIPUNDAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP DC	0 494 0 0 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 18 180MV) IRI 1,2 4 (4 400 kV) RD i.e. BINAGURI HEP (6+170 MW) PARA 182 (& 220 kV) A) i.e. BIRPAR KHA HEP 4*84 MW) -SALAKATI a WH) - UR - DHALKEBAR	1888 2027 169 0 0 WR-SR MGES Max (MW) 317 309 63 -22 21 -73	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MU) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 1 INTER Line Line Lea ALPURDAR RE MANGDECHH HEP A 400KY MANABASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA 250KV CHUKHA-BIR HALBASE - BIRPAR RECEIPT (from TALA 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(M MAHENDRANAGAR 400KV-MUZAFFARP	0 494 0 0 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 18 180MV) IRI 1,2 4 (4 400 kV) RD i.e. BINAGURI HEP (6+170 MW) PARA 182 (& 220 kV) A) i.e. BIRPAR KHA HEP 4*84 MW) -SALAKATI a WH) - UR - DHALKEBAR	1888 2027 169 0 0 WR-SR MGES Max (MW) 317 309 63 -22 21 -73	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6	16.5 30.1 0.3 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MU) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 INTER 2 2 1 1 INTER Line 400KV MANGDECHH 10-ALIPUNDAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP DC	0 494 0 0 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 18 180MV) IRI 1,2 4 (4 400 kV) RD i.e. BINAGURI HEP (6+170 MW) PARA 182 (& 220 kV) A) i.e. BIRPAR KHA HEP 4*84 MW) -SALAKATI a WH) - UR - DHALKEBAR	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22 21 -73 -338	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 12 -11 -57	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4 -7.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 INTER 2 2 1 1 INTER Line 400KV MANGDECHH 10-ALIPUNDAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV Motanga-Rangi 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP DC	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 180MW) RI 1,2,1 (400KV RRI 1,2,1 (400KV RRI 1,2,1 (400KV ARA 182 (8 220KV A) 1,6 BIRPARA KIM HEP (844WW) - SALAKATI a ship)- (PG)	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22 21 -73 -338	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 12 -11 -57	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4 -7.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER	2 2 2 2 1 1 1 INTER Line Line Lea ALIPURDUAR RE MANGDECHU HEP & MORY TALA BINACI MALBASE - BINAGU MALBASE - BINAGU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARP DC 132KV-BIHAR - NEP & BHERAMARA HVDC	0 494 0 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 181 12.4 (x 400kV RI) i.e BINAGURI HEP (6*120MW) PARA 18.2 (x 220kV A) i.e BIRPARA KHA HEP 4*84MW) - SALAKATI a SH) - UR - DHALKEBAR AL ((BANGLADESH)	1888 2027 169 0 0 0 WR-SR MGES Max (MW) 317 309 63 -22 21 -73 -338	0.0 0.0 4.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12 -11 -57 -315	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -1.4 -7.6 -2.9
7 8	220 kV 220 kV 220 kV State	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 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH Le. ALIPURDUAR RE MANGBECHH LE. ALIPURDUAR RE LIPURDUAR RE SUBY CHYLHA-BIR MALBASE - BINAGU RECEIPT (from TALJ 20kV CHYLHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MOTANAGAR 400kV-MUZAFFARP DC 132kV-BIHAR - NEPA BHERAMARA HVDC 132kV-SURAJMANI	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RIT 1,24 (& 4000V RIT 1,24 (& 4000V RIT 1,24 (& 4000V ARA 1&2 (& 4200V A) i.e. BIRPARA KIH HEP (& 1700MW) - SALAKATI a WHI - CHARLES AND	1888 2027 169 0 0 0 WR-SR MGES Max (MW) 317 309 63 -22 21 -73 -338	0.0 0.0 4.0 4.0 0.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3	16.5 30.1 0.3 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12 -11 -57 -315	.50.6 .16.5 .30.1 .3.7 .0.0 0.0 1.8 .111.1 Energy Exchange (MII) 5.6 5.2 0.6 0.3 -0.3 -1.4 -7.6
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH Le. ALIPURDUAR RE MANGBECHH LE. ALIPURDUAR RE ERETH (from TALL) 220kV CHUKHA-BIRN MALBASE - BINAGU RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MOTANAGAR 400kV-MUZAFFARP DC 132kV-BIHAR - NEPA BHERAMARA HVDC 132kV-SURAJMANI COMILLA(BANGLAI	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RIT 1,24 (& 4000V RIT 1,24 (& 4000V RIT 1,24 (& 4000V ARA 1&2 (& 4200V A) i.e. BIRPARA KIH HEP 4*84MW) - SALAKATI a WHI 1,04 (A 4000V RI 1,24	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22 21 -73 -338 -225	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3 0 -247	16.5 30.1 0.3 0.0 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12 -11 -57 -315 -122 -847	50.6 -16.5 -30.1 -3.7 -0.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -0.3 -1.4 -7.6 -2.9 -20.3
7 8	220 kV 220 kV 220 kV State	WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 INTER! Line: 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH Le. ALIPURDUAR RE MANGBECHH LE. ALIPURDUAR RE LIPURDUAR RE SUBY CHYLHA-BIR MALBASE - BINAGU RECEIPT (from TALJ 20kV CHYLHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MOTANAGAR 400kV-MUZAFFARP DC 132kV-BIHAR - NEPA BHERAMARA HVDC 132kV-SURAJMANI	0 494 0 0 0 NATIONAL EXCHA Name U-ALIPURDUAR 182 CEIPT (from 181824 (8 400KV RI) i.e. BINAGURI HEP (6*120MW) PARA 182 (8 220KV HEP (6*120MW) -SALAKATI a SH) (PG) UR - DHALKEBAR ML (BANGLADESH) NAGAR - DESH)-1 NAGAR -	1888 2027 169 0 0 96 WR-SR NGES Max (MW) 317 309 63 -22 21 -73 -338 -225	0.0 0.0 4.0 4.0 0.0 1.8 5.8 Min (MW) 221 209 0 -6 3 0 -247	16.5 30.1 0.3 0.0 0.0 0.0 0.0 0.0 116.9 Avg (MW) 233 216 26 12 -11 -57 -315 -122 -847	50.6 -16.5 -30.1 -37.0 -0.0 -1.8 -111.1 Energy Exchange (MII) -5.6 -5.2 -0.6 -0.3 -1.4 -7.6 -2.9 -20.3