

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 24th May 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
- 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 23.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-मई -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 23rd May 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day Date of Reporting: 24-May-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	42568	44653	34574	23496	2723	148014
Peak Shortage (MW)	200	0	0	0	4	204
Energy Met (MU)	922	1106	801	497	52	3379
Hydro Gen (MU)	198	55	78	79	15	425
Wind Gen (MU)	20	90	110			219
Solar Gen (MU)*	53.05	39.24	105.76	5.17	0.23	203
Energy Shortage (MU)	6.18	0.00	0.00	0.00	0.06	6.24
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44361	47407	35813	24335	3042	151777
Time Of Maximum Demand Met (From NLDC SCADA)	22:28	23:47	13:24	22:41	19:21	22:52

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MIC)	(MU)	(MC)	(1111)	(MU
	Punjab	6397	0	137.9	92.8	-1.2	43	0.00
	Haryana	5311	0	110.5	91.9	-1.1	168	0.00
	Rajasthan	8716	0	181.2	41.0	-1.2	769	0.00
	Delhi	2849	0	60.4	50.2	-1.2	90	0.00
NR	UP	17490	0	323.5	135.9	1.9	397	2.73
	Uttarakhand	1446	0	31.8	13.7	1.0	205	0.00
	HP	1203	0	24.6	6.2	0.9	116	0.00
	J&K(UT) & Ladakh(UT)	2274	250	48.6	28.5	-0.3	184	3.45
	Chandigarh	175	0	3.6	3.7	-0.1	21	0.00
	Chhattisgarh	3730	0	86.4	36.1	0.2	300	0.00
	Gujarat	13601	0	305.3	146.0	-1.8	450	0.00
	MP	9008	0	200.0	107.9	-1.8	310	0.00
WR	Maharashtra	20482	0	463.8	151.2	-3.6	633	0.00
	Goa	514	0	10.9	8.6	1.7	69	0.00
	DD	259	0	5.7	5.4	0.3	43	0.00
	DNH	680	0	16.0	15.6	0.4	71	0.00
	AMNSIL	822	0	17.9	0.9	0.4	271	0.00
	Andhra Pradesh	7785	0	161.1	62.3	-0.7	841	0.00
	Telangana	6908	0	149.9	54.9	-1.6	364	0.00
SR	Karnataka	8411	0	168.4	57.7	0.2	610	0.00
	Kerala	3164	0	61.7	31.2	-0.2	239	0.00
	Tamil Nadu	11778	0	253.7	138.2	-1.3	689	0.00
	Puducherry	336	0	6.6	7.1	-0.5	29	0.00
	Bihar	5901	0	117.7	112.5	4.5	360	0.00
	DVC	3066	0	66.3	-41.0	0.2	381	0.00
	Jharkhand	1699	0	29.0	25.9	-2.6	210	0.00
ER	Odisha	5339	0	109.7	39.6	-1.0	370	0.00
	West Bengal	9217	0	173.1	51.5	1.0	593	0.00
	Sikkim	85	0	1.4	1.3	0.1	44	0.00
	Arunachal Pradesh	100	1	1.8	1.7	0.0	107	0.01
	Assam	1828	0	33.3	26.7	1.7	221	0.00
	Manipur	187	2	2.5	2.5	0.0	27	0.03
NER	Meghalaya	284	0	5.1	2.5	0.0	60	0.00
	Mizoram	89	0	1.7	1.7	0.0	18	0.01
	Nagaland	135	11	2.3	2.3	-0.1	20	0.01
	Trinura	337	0	5.6	5.4	0.8	84	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.1	-9.7	-26.3
Day Peak (MW)	788.0	-607.2	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	202.0	-180.9	36.6	-67.3	9.6	0.0
Actual(MU)	174.1	-174.4	29.7	-48.6	12.7	-6.5
O/D/U/D(MI)	-27 9	6.6	-69	18.7	3.1	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7642	19773	8622	0	1022	37058	41
State Sector	14038	20133	12638	5565	11	52385	59
Total	21679	39906	21260	5565	1033	89443	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	395	1049	360	499	8	2310	67
Lignite	22	10	45	0	0	77	2
Hydro	198	55	78	79	15	425	12
Nuclear	31	33	66	0	0	130	4
Gas, Naptha & Diesel	18	22	11	0	23	73	2
RES (Wind, Solar, Biomass & Others)	92	130	226	5	0	453	13
Total	756	1298	786	583	46	3469	100
CI APPOLLATION OF COLUMN							1
Share of RES in total generation (%)	12.13	9.99	28.74	0.88	0.50	13.05	
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	42.52	16.73	47.07	14 47	33.00	29.06	ĺ

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based on State Max Demands	1.065

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:	=(-ve) for NET (MU) 24-May-2021
Sl Voltage Lev	rel Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
No Import/Export of I				-	-		1 (1)
1 HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2 HVDC 3 765 kV	PUSAULI B/B	- 2	0	249 574	0.0	6.0 8.3	-6.0 -8.3
4 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	1	101	246	0.0	1.0	-8.3 -1.0
5 765 kV	GAYA-BALIA	į į	0	473	0.0	8.1	-8.1
6 400 kV 7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	220 99	0.0	4.6 1.2	-4.6 -1.2
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	529	0.0	7.0	-7.0
9 400 kV	PATNA-BALIA	4	0	810	0.0	13.8	-13.8
10 400 kV 11 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	30	230 305	0.0	3.1 5.2	-3.1 -5.2
12 400 kV	BIHARSHARIFF-VARANASI	2	24	248	0.0	2.5	-2.5
13 220 kV	PUSAULI-SAHUPURI	1	97	28	0.0	1.1	-1.1
14 132 kV 15 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	 	20	0	0.0	0.0	0.0
16 132 kV	KARMANASA-SAHUPURI	î	0	Ö	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	0.0	0.0
Import/Export of I	CR (With WR)			ER-NK	0.3	62.0	-61.7
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1178	0	11.8	0.0	11.8
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1376	0	20.3	0.0	20.3
3 765 kV	JHARSUGUDA-DURG	2	325	79	2.7	0.0	2.7
4 400 kV	JHARSUGUDA-RAIGARH	4	226	66	2.0	0.0	2.0
5 400 kV	RANCHI-SIPAT	2	379	0	5.9	0.0	5.9
6 220 kV	BUDHIPADAR-RAIGARH	1	0	96	0.0	1.5	-1.5
7 220 kV	BUDHIPADAR-KORBA	2	123	0	2.0	0.0	2.0
Import/Export of I	CR (With SR)			ER-WR	44.6	1.5	43.2
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	6.7	-6.7
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1626	0.0	31.9	-31.9
3 765 kV 4 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	1274	2325	9.3	36.3 0.0	-36.3 9.3
5 220 kV	BALIMELA-UPPER-SILERRU	ī	1	0	0.0	0.0	0.0
Import/Export of I	D (With NFD)	· · · · · · · · · · · · · · · · · · ·		ER-SR	0.0	74.9	-74.9
1 400 kV	BINAGURI-BONGAIGAON	2	161	141	0.4	0.0	0.4
2 400 kV	ALIPURDUAR-BONGAIGAON	2	216	281	0.0	1.5	-1.5
3 220 kV	ALIPURDUAR-SALAKATI	2	25	63 ER-NER	0.0	0.4 1.9	-0.4
Import/Export of N	NER (With NR)			ER-NEK	U.4		-1.6
1 HVDC	BISWANATH CHARIALI-AGRA	2	489	0	10.3	0.0	10.3
Import/Export of V	VP (With NP)			NER-NR	10.3	0.0	10.3
1 HVDC	CHAMPA-KURUKSHETRA	2	0	2767	0.0	28.7	-28.7
2 HVDC	VINDHYACHAL B/B		204	0	5.9	0.0	5.9
3 HVDC 4 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1364	0.0	26.2 48.1	-26.2
5 765 kV	PHAGI-GWALIOR	2	0	2821 1515	0.0	26.3	-48.1 -26.3
6 765 kV	JABALPUR-ORAI	2	Õ	967	0.0	34.7	-34.7
7 765 kV	GWALIOR-ORAI	1	603	0	11.0	0.0	11.0
8 765 kV 9 765 kV	SATNA-ORAI CHITORGARH-BANASKANTHA	1 2	0 1141	1486 294	0.0 15.6	30.9 0.0	-30.9 15.6
10 400 kV	ZERDA-KANKROLI	ĩ	313	0	5.1	0.0	5.1
11 400 kV	ZERDA -BHINMAL	1	561	0	9.1	0.0	9.1
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	975	0 382	22.5 0.0	0.0 4.3	22.5 -4.3
14 220 kV	BHANPURA-RANPUR	ĩ	Ö	106	0.0	1.8	-1.8
15 220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16 220 kV 17 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1	58 31	17 42	0.1	0.3 0.0	-0.2 0.4
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
Import/Export of V	VR (With SR)			WR-NR	69.7	202.7	-133.0
1 HVDC	BHADRAWATI B/B	-	0	322	0.0	7.6	
2 HVDC	RAIGARH-PUGALUR	2					-7.6
3 765 kV 4 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	•	0	502	0.0	12.1	-12.1
5 400 kV		2 2	1754	502 877	0.0 17.8	12.1 1.2	-12.1 16.6
6 220 kV 7 220 kV	KOLHAPUR-KUDGI	2 2	1754 386 869	502 877 1361 0	0.0 17.8 0.7 14.5	12.1 1.2 11.0 0.0	-12.1 16.6 -10.2 14.5
770 61/	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	1754 386 869 0	502 877 1361 0	0.0 17.8 0.7 14.5 0.0	12.1 1.2 11.0 0.0 0.0	-12.1 16.6 -10.2 14.5 0.0
	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2	1754 386 869	502 877 1361 0 0	0.0 17.8 0.7 14.5 0.0	12.1 1.2 11.0 0.0	-12.1 16.6 -10.2 14.5 0.0
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	1754 386 869 0	502 877 1361 0	0.0 17.8 0.7 14.5 0.0	12.1 1.2 11.0 0.0 0.0 0.0	-12.1 16.6 -10.2 14.5 0.0
	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2	1754 386 869 0 0	502 877 1361 0 0 0 81	0.0 17.8 0.7 14.5 0.0 0.0	12.1 1.2 11.0 0.0 0.0 0.0 0.0 0.0 31.8	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3
	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 TERNATIONAL EX	1754 386 869 0 0	502 877 1361 0 0 0 81	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3	12.1 1.2 11.0 0.0 0.0 0.0 0.0 0.0 31.8	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 (+ve)/Export(-ve) Energy Exchange
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 TERNATIONAL EX	1754 386 869 0 0 1	502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve)
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 1 1 1 1 TERNATIONAL EX 400kV MANGDECH 16.e. ALIPURDUAR RI	1754 386 869 0 1 1 CCHANGES Name ECHAUGES ECEIPT (from	502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 (+ve)/Export(-ve) Energy Exchange
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 1 1 1 TERNATIONAL EX 400kV MANGDECH i.e. ALIPURDUAR RI	1754 386 869 0 1 1 CCHANGES Name ECHAUGES ECEIPT (from	502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import(Avg (MW)	-12.1 16.6 -10.2 14.5 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 441804W) URI 1.2,4 (& 400KV) URI 1.2,4 (& 400KV)	502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import(Avg (MW)	-12.1 16.6 -10.2 14.5 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 1 1 1 TERNATIONAL EX TERNATIONAL EX Line 400KV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400KV TALA BINAG MALBASE BINAGI RECEIPT (From TAL	1754 386 869 0 0 1 1 CCHANGES Name LVALIPURDUAR 1&2 ECEIPT (from 4*1804W) URI 1,2,4 (8 400KV) URI 0,6 BINAGURI A HPF (6*110MW)	502 877 1361 0 0 0 81 WR-SR Max (MW)	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW)	-12.1 16.6 -10.2 14.5 0.0 0.1 1.3 2.5 +ve/Export(-ve) Energy Exchange (MII)
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 1 1 1 TERNATIONAL EX 1 HORV MANGDECH Le ALIPURDUAR RI MANGDECHU HEP 400K YALA-BINAG MALBASE BINAG MALBASE BINAG MALBASE BINAG MALBASE BIRPAK	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 49180MW) URI 1,2,4 (8-400KV) URI 1,6,4 (8-400KV) URI 0,6,4 (502 877 1361 0 0 0 81 WR-SR Max (MW)	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW)	-12.1 16.6 -10.2 14.5 0.0 0.1 1.3 2.5 +ve/Export(-ve) Energy Exchange (MII)
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 TTERNATIONAL EX Line 400kV MANGDECHI i.e. ALPURDUAR RI MANGDECH U HEP 400kV TALA-BINAG RECEPT (from TAL 220kV CHUKHA-BII	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 49180MW) URI 1,2,4 (8-400KV) URI 1,6,4 (8-400KV) URI 0,6,4 (502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 1 1 1 TERNATIONAL EX 1 HORV MANGDECH Le ALIPURDUAR RI MANGDECHU HEP 400K YALA-BINAG MALBASE BINAG MALBASE BINAG MALBASE BINAG MALBASE BIRPAK	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 491804W) URI 1,2,4 (8-400K) URI 1,2,4 (8-4	502 877 1361 0 0 0 81 WR-SR	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURUJAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPI (from TAL	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from 491804W) URI 1,2,4 (8-400K) URI 1,2,4 (8-4	502 877 1361 0 0 81 WR-SR Max (MW) 485 232	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4 5.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURUJAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPI (from TAL	1754 386 869 0 0 1 CHANGES Name HU-ALIPURDUAR 182 6CEIPT (from 4*180MW) URI 1.2.4 (8*4000 V) URI 1.2.4 (8*400 V) URI 1.2.4 (8	502 877 1361 0 0 81 WR-SR Max (MW) 485 232	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW)	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4 5.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECH i.e. ALIPURDUAR RI 400kV TALA-BINAG MALBASE BINAGI RECEPT (from TAL MALBASE BIRPAGI MALBASE BIR	1754 386 869 0 0 1 CHANGES Name HU-ALIPURDUAR 182 6CEIPT (from 4*180MW) URI 1.2.4 (8*4000 V) URI 1.2.4 (8*400 V) URI 1.2.4 (8	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW) 393 223 60	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4 5.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 TTERNATIONAL EX Line 400kV MANGDECHI Le. ALPURDUAR RI MANGDECHU HEP 400kV TALA-BINAG RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAH RECEIPT (from CHL 132KV-GEYLEGPHI 132KV Motanga-Rang 132KV-TANAKPUR(1754 386 386 869 0 1 1 CCHANGES Name HI-ALIPURDUAR 182 8CEEIF' (from 44180MW). URI 1,2,1 & 4000V URI 1,2,1 & 4000V URI 1,2,1 & 4000V URI 1,2 & 4000V URI 1,4	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID) -9.4 -1.5
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 1 1 1 TTERNATIONAL EX Line 400kV MANGDECH Le. ALPURDUAR RI MANGDECH UIEP 400kV TALA-BINAG RECEIPT (from TAL 200kV CHUKHA-BIR MALBASE - BIRPAG RECEIPT (from CHU 132kV-GEYLEGPH) 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI	1754 386 386 869 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 8CEUPT (from 49180MW) URT 1,24 (8, 400K) URT 1,24 (8,	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 56	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW) 393 223 60	-12.1 16.6 -10.2 14.5 0.0 0.0 1.3 2.5 +ve)/Export(-ve) Energy Exchange (MII) 9.4 5.4
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECH Line 400KV MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG RECEIPT (From TAL 120KV CHUKHA-BIR 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFAR	1754 386 386 869 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 8CEUPT (from 49180MW) URT 1,24 (8, 400K) URT 1,24 (8,	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -ve)/Export(-ve) Energy Exchange (MIT) -9.4 -1.5 -1.5 -1.6 -1.5
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 1 1 1 TTERNATIONAL EX Line 400kV MANGDECH Le. ALPURDUAR RI MANGDECH UIEP 400kV TALA-BINAG RECEIPT (from TAL 200kV CHUKHA-BIR MALBASE - BIRPAG RECEIPT (from CHU 132kV-GEYLEGPH) 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI	1754 386 386 869 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 8CEUPT (from 49180MW) URT 1,24 (8, 400K) URT 1,24 (8,	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 56	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW) 393 223 60 7 -41	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID) -9.4 -1.5
State State	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECH i.e. ALPURDIAR RI MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI REC'ELPT (from TAL 120kV CHUKHA-BIR REC'ELPT (from CH 132KV-GEYLEGPH 132kV Motanga-Rang 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFAR DC	1754 386 869 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4+180MW) URI 1,2,4 (400EV U	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 6 -39	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64	-12.1 -16.6 -10.2 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID)
8 220 kV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECH Line 400KV MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG RECEIPT (From TAL 120KV CHUKHA-BIR 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFAR	1754 386 869 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4+180MW) URI 1,2,4 (400EV U	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW) 393 223 60 7 -41	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -ve)/Export(-ve) Energy Exchange (MIT) -9.4 -1.5 -1.5 -1.6 -1.5
State State	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 TERNATIONAL EX Line 400kW MANGDECHI Le. ALIPURDUAR MANGDECHU HEP 400kW TALA-BINAG MALBASE BINAGH RECEIPT (from TAL 220kW CHUKHIA-BIF MALBASE BINAGH MALBASE MALBASE MALBASE 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFARI DC 132KV-BIHAR - NEF	1754 386 386 869 0 0 1 ICHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4*1804W) URI 12,4 (8*400W) URI 12,	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41 -78	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39 0 -130	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64 -205	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MII) -9.4 -1.5 -1.5 -1.0 -1.5 -4.9 -3.3
State State	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECH i.e. ALPURDIAR RI MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI REC'ELPT (from TAL 120kV CHUKHA-BIR REC'ELPT (from CH 132KV-GEYLEGPH 132kV Motanga-Rang 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFAR DC	1754 386 386 869 0 0 1 ICHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 4*1804W) URI 12,4 (8*400W) URI 12,	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 6 -39	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64	-12.1 -16.6 -10.2 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID)
State State BHUTAN NEPAL	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 TERNATIONAL EX Line 400kW MANGDECHI Le. ALIPURDUAR MANGDECHU HEP 400kW TALA-BINAG MALBASE BINAGH RECEIPT (from TAL 220kW CHUKHIA-BIF MALBASE BINAGH MALBASE MALBASE MALBASE 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFARI DC 132KV-BIHAR - NEF	1754 386 869 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 CCEIPT (from 49180AW) URI 1,2, 1 (x 400KV) URI 1,2, 1 (x 400K	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41 -78 -301	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39 0 -130 -64	12.1 1.2 1.2 1.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64 -205	-12.1 -16.6 -10.2 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID)
State State	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHI LE ALIPURDUAR RI MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGI RECEIPT (FORN TAL 120KV CHUKHA-BI 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFAR DC 132KV-BIHAR - NEP	1754 386 386 869 0 1 CCHANGES Name HU-ALIPURDUAR 182 ECEIPT (from 44180MW) URI 12,478 4000V	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41 -78	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39 0 -130	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64 -205	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MII) -9.4 -1.5 -1.5 -1.0 -1.5 -4.9 -3.3
State State BHUTAN NEPAL	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER ER NER N	2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECH i.e. ALIPURDUAR RI 400kV MANGDECH i.e. ALIPURDUAR RI 400kV TALA-BINAG MALBASE BINAGH 132kV-GEYLEGPH 132kV Motanga-Rang 132kV-TANAKPUR MAHENDRANAGAI 400kV-MUZAFFAR DC 132kV-BIHAR - NEP BHERAMARA HVD 132kV-SURAJMANI	1754 386 386 869 0 0 1 1 1 1 1 1 1 1	502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41 -78 -301 -228	0.0 17.8 0.7 14.5 0.0 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39 0 -130 -64	12.1 1.2 11.0 0.0 0.0 0.0 0.0 31.8 Imports Avg (MW) 393 223 60 7 -41 -64 -205 -137 -931	-12.1 -16.6 -10.2 -14.5 -0.0 -0.0 -1.3 -1.3 -1.5
State State BHUTAN NEPAL	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER	2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECH i.e. ALIPURDUAR RI MANGDECH UHEP 400kV TALA-BINAG MALBASE BINAGI RECEEPT (from TAL 220kV CHUKHA-BIB MALBASE BINAGI 132KV-GEVLEGPHI 132KV-GEVLEGPHI 132KV-TANAKPUR MAHENDRANAGAI 400KV-MUZAFFARI DC 132KV-BIHAR - NEP BHERAMARA HVD 132KV-SURAJMANI COMILLA(BANGLA	1754 386 869 0 0 1 CCHANGES Name HU-ALIPURDUAR 1&2 CCEIPT (from 4*1804W) URI 1,2,4 (400kV) URI 1,2,4 (502 877 1361 0 0 0 81 WR-SR Max (MW) 485 232 97 15 -41 -78 -301	0.0 17.8 0.7 14.5 0.0 0.0 1.3 34.3 Min (MW) 0 196 56 6 -39 0 -130 -64	12.1 1.2 1.2 1.0 0.0 0.0 0.0 0.0 31.8 Import Avg (MW) 393 223 60 7 -41 -64 -205	-12.1 -16.6 -10.2 -10.2 -14.5 -0.0 -0.0 -1.3 -2.5 -+ve)/Export(-ve) Energy Exchange (MID)