

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: 9th Nov 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

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 08.11.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th November 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 09-Nov-2020 NR 44302 WR TOTAL SR ER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 35290 2345 148145 Peak Shortage (MW) 0 74 Energy Met (MU) Hydro Gen (MU) 917 1174 823 345 42 3300 296 77 152 110 21 88 60 17 42 83.76 0.0 Wind Gen (MU) Solar Gen (MU)* 35.81 3.91 0.12 28.86 Sonar Gen (MU):

Maximum Demand Met During the Day (MW) (From NLDC SCADA)

Time Of Maximum Demand Met (From NLDC SCADA) 0.7 44586 0.0 52710 0.0 17909 1.6 2494 151329 38959 10:26 15:24 09:57 18:03 10:44 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 13.24 0.022 0.00 C. Power Supply Position in States

		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)
	Punjab	5523	0	106.8	85.2	-1.6	113	0.0
	Haryana	5313	0	113.6	101.3	2.0	335	0.0
	Rajasthan	12609	0	247.8	89.8	1.0	360	0.0
	Delhi	3315	0	59.8	43.1	0.5	283	0.0
NR	UP	14988	0	277.1	99.1	-0.5	284	0.0
	Uttarakhand	1785	0	33.9	24.8	0.9	265	0.0
	HP	1393	0	26.7	19.6	-0.5	39	0.7
	J&K(UT) & Ladakh(UT)	2646	0	48.2	41.5	1.5	549	0.0
	Chandigarh	153	0	2.7	2.7	0.0	20	0.0
	Chhattisgarh	3339	0	71.2	21.8	-0.5	595	0.0
	Gujarat	16037	0	345.3	52.3	2.5	422	0.0
	MP	13968	0	277.4	179.1	-2.9	497	0.0
WR	Maharashtra	20184	0	428.9	137.6	-0.7	825	0.0
	Goa	437	0	9.5	8.9	0.0	35	0.0
	DD	311	0	6.8	6.5	0.3	35	0.0
	DNH	757	0	17.3	17.3	0.0	48	0.0
	AMNSIL	789	0	17.3	1.2	0.2	253	0.0
	Andhra Pradesh	7908	0	169.2	86.6	-0.4	235	0.0
	Telangana	6580	0	137.1	41.9	-1.7	362	0.0
SR	Karnataka	8707	0	172.9	54.2	-0.6	587	0.0
	Kerala	3178	0	66.7	48.6	-0.1	217	0.0
	Tamil Nadu	12288	0	269.7	158.3	-2.3	535	0.0
	Puducherry	329	0	7.0	7.4	-0.5	32	0.0
	Bihar	4398	0	70.6	73.5	-2.9	210	0.0
	DVC	3059	0	62.5	-44.5	-0.2	220	0.0
	Jharkhand	1394	0	24.6	17.9	-1.7	100	0.0
ER	Odisha	4148	0	80.4	13.3	-1.8	170	0.0
	West Bengal	5827	0	105.2	19.6	0.0	255	0.0
	Sikkim	96	0	1.3	1.3	0.0	30	0.0
	Arunachal Pradesh	140	2	2.0	2.1	-0.1	24	0.0
	Assam	1415	12	23.9	21.0	-0.2	90	1.5
	Manipur	202	2	2.6	2.7	-0.1	22	0.0
NER	Meghalaya	310	2	5.6	2.8	-0.3	36	0.0
	Mizoram	90	0	1.6	0.7	0.8	18	0.0
	Nagaland	134	1	2.2	2.0	0.0	11	0.0
	Tripura	243	2	3.7	3.3	-0.4	20	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)								
	Bhutan	Nepal	Bangladesh					
Actual (MU)	17.5	-2.0	-20.2					
Day Peak (MW)	749.0	-253.0	-1023.0					

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-) TOTAL WR ER NR SR NER Schedule(MU)

Actual(MU)	293.2	-315.6	119.9	-96.3	-4.5	-3.2
O/D/U/D(MU)	3.2	7.7	-0.6	-11.8	-1.7	-3.2
F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	7000	13063	11162	3990	644	35858
State Sector	15441	12218	14126	6285	11	48080
T						

NR 413	WR 1300	SR 376	ER	NER	All India
413				NER	All India
	1300	376	202		
		3/0	393	7	2489
22	13	26	0	0	60
110	21	88	60	17	296
28	21	43	0	0	92
19	83	16	0	27	146
57	64	163	4	0	288
648	1502	712	457	51	3370
	110 28 19 57	110 21 28 21 19 83 57 64	110 21 88 28 21 43 19 83 16 57 64 163	110 21 88 60 28 21 43 0 19 83 16 0 57 64 163 4	110 21 88 60 17 28 21 43 0 0 19 83 16 0 27 57 64 163 4 0

Hydro	110	21	88	60	17	296
Nuclear	28	21	43	0	0	92
Gas, Naptha & Diesel	19	83	16	0	27	146
RES (Wind, Solar, Biomass & Others)	57	64	163	4	0	288
Total	648	1502	712	457	51	3370
Share of RES in total generation (%)	8.76	4.23	22.95	0.86	0.24	8.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	29.92	7.03	41.43	13.92	33.65	20.04
H All India Demand Diversity Factor						

Based on Regional Max Demands 1.035 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:	09-Nov-2020
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (V	With NR)						
1	HVDC	ALIPURDUAR-AGRA	2	0	500 296	0.0	10.5	-10.5
3	HVDC 765 kV	PUSAULI B/B GAYA-VARANASI	2	0	866	0.0	7.2 11.8	-7.2 -11.8
4	765 kV	SASARAM-FATEHPUR	11	0	345	0.0	3.7	-3.7
5 6	765 kV 400 kV	GAYA-BALIA PUSAULI-VARANASI	1 1	0	452 226	0.0	7.8 4.4	-7.8 -4.4
7	400 kV	PUSAULI -ALLAHABAD	i	Ü	163	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	697	0.0	8.4	-8.4
9 10	400 kV 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4 2	0	870 352	0.0	12.6 4.1	-12.6 -4.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	285	0.0	4.7	-4.7
12	400 kV 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	115 16	255 48	0.0	0.7 0.4	-0.7 -0.4
14	132 kV	SONE NAGAR-RIHAND	i	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
16 17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0 0.0	0.0
					ER-NR	0.3	79.0	-78.7
	rt/Export of ER (V		т .	1074		27.5	0.0	27.5
2	765 kV 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	2	1864 928	0	27.5 12.5	0.0	27.5 12.5
3	765 kV	JHARSUGUDA-DURG	2	221	0	3.5	0.0	3.5
4	400 kV	JHARSUGUDA-RAIGARH	4	470	0	7.3	0.0	7.3
5	400 kV	RANCHI-SIPAT	2	390	0	6.1	0.0	6.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	105	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	192	0	3.4	0.0	3.4
Imec	rt/Export of ER (V	Vith SR)			ER-WR	60.2	1.1	59.1
1 mipo	HVDC	JEYPORE-GAZUWAKA B/B	2	0	321	0.0	7.3	-7.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1993	0.0	48.1	-48.1
3	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0	2857 1209	0.0	45.4 23.3	-45.4 -23.3
5	400 KV 220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
Y					ER-SR	0.0	100.8	-100.8
Impo	rt/Export of ER (\ 400 kV	With NER) BINAGURI-BONGAIGAON	2	0	333	0.0	3.2	-3.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	78	153	0.0	2.8	-2.8
3		ALIPURDUAR-SALAKATI	2	0	81 ER-NER	0.0	1.0	-1.0
Impo	rt/Export of NER	(With NR)			ER-NER	0.0	7.0	-7.0
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.1	-12.1
Imno	rt/Export of WR (With NR)			NER-NR	0.0	12.1	-12.1
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1702	0.0	38.6	-38.6
2	HVDC	VINDHYACHAL B/B		445	0	12.1	0.0	12.1
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1916 2673	0.0	37.5 51.3	-37.5 -51.3
5	765 kV	PHAGI-GWALIOR	2	ő	1594	0.0	25.8	-25.8
6	765 kV	JABALPUR-ORAI	2	0	1056	0.0	41.5	-41.5
7 8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	662	0 1502	10.2 0.0	0.0 32.6	10.2 -32.6
9	765 kV	CHITORGARH-BANASKANTHA	2	0	977	0.0	13.6	-13.6
10 11	400 kV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	0	200 487	0.0	6.2	-2.2 -6.2
12	400 kV	VINDHYACHAL -RIHAND	1	974	0	22.7	0.0	22.7
13	400 kV	RAPP-SHUJALPUR	2	0	373	0.0	5.2	-5.2
14 15	220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1	0 11	168	0.0	2.2 0.5	-2.2 -0.5
16	220 kV	MEHGAON-AURAIYA	i	109	0	0.3	0.0	0.3
17 18	220 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	61	13	1.2	0.0	1.2 0.0
19		RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	46.6	257.2	-210.6
1mpo	rt/Export of WR (HVDC	BHADRAWATI B/B						
2	HVDC	RAIGARH-PUGALUR	_	0	522	0.0	12.2	
3	765 kV		2	0	522 297	0.0 0.0	12.2 7.2	-12.2 -7.2
5		SOLAPUR-RAICHUR	2	0 1006	297 2514	0.0 0.0	7.2 19.5	-12.2 -7.2 -19.5
6	765 kV 400 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	+	0	297	0.0	7.2	-12.2 -7.2
7	765 kV 400 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 1006 478	297 2514 2090 0	0.0 0.0 0.0 10.0	7.2 19.5 17.9 0.0	-12.2 -7.2 -19.5 -17.9 10.0 0.0
0	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1	0 1006 478 754 0	297 2514 2090 0 0	0.0 0.0 0.0 10.0 0.0	7.2 19.5 17.9 0.0 0.0	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.0
8	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 1006 478 754	297 2514 2090 0	0.0 0.0 0.0 10.0	7.2 19.5 17.9 0.0	-12.2 -7.2 -19.5 -17.9 10.0 0.0
8	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1	0 1006 478 754 0	297 2514 2090 0 0 0 44 WR-SR	0.0 0.0 0.0 10.0 0.0 0.0 0.8	7.2 19.5 17.9 0.0 0.0 0.0	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.0 0.8 -45.9
8	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1	0 1006 478 754 0 1	297 2514 2090 0 0 0 44 WR-SR	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.8 -45.9
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1 1 1 1 INTER	0 1006 478 754 0 1 1 0	297 2514 2090 0 0 0 44 WR-SR	0.0 0.0 0.0 10.0 0.0 0.0 0.8	7.2 19.5 17.9 0.0 0.0 0.0	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.0 0.8 -45.9
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI ic. ALIPURDUAR RI	0 1006 478 754 0 1 1 0 RNATIONAL EXCHAI Name	297 2514 2090 0 0 0 44 WR-SR	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.8 -45.9
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 INTER Line 400kV MANGDECHI ic. ALIPURDUAR RI MANGDECHI HEP.	0 1006 478 754 0 0 1 0 8NATIONAL EXCHA! Name HI-ALIPURDUAR 1&2 CCEIPT (from	297 2514 2090 0 0 44 WR-SR NGES	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.8 -45.9 Energy Exchange (MU)
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG	0 1006 478 784 0 0 0 RNATIONAL EXCHA! Name 4U-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 12,4 (& 400kV) WIB iz. BINAGURI	297 2514 2090 0 0 44 WR-SR NGES	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.8 -45.9 Energy Exchange (MU)
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line 400kV MANGECHH HEP MANGECHH HEP MANGECH H	0 1006 478 754 0 1 1 0 8NATIONAL EXCHA! Name HE-ALIPURDUAR 1&2 CEIPT (from 4*180MW) URI 12.4 (& 400KV JRI) i.e. BINAGURI A HEP (6*1190MW)	297 2514 2090 0 0 44 WR-SR WGES Max (MW)	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7 Avg (MW)	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.0 0.8 -45.9 Energy Exchange (MU)
8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line Line Line Lealipurduar Ri Mangbechi Hep- 400kv Tala-Binag Malbase - Binagi Receipt (from tal- 220kv Chiukiia-Birag Malbase - Birpar	0 1006 478 7.54 0 1 0 8NATIONAL EXCHA! Name HI-ALIPURDUAR 1.82 SCEIPT (from 44) 1918 11.24 (8.400kV) URI 1.24 (8.400kV) URI 1.24 (8.400kV) PARA 1.82 (8.220kV)	297 2514 2090 0 0 44 WR-SR WGES Max (MW)	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7 Avg (MW)	-12.2 -7.2 -19.5 -17.9 10.0 0.0 0.0 0.8 -45.9 Energy Exchange (MU)
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 2 1 1 INTER INTER Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG MALBASE BINAGI RECEIPT (from TAL 220kV CHUKHA-BIR	0 1006 478 7.54 0 1 0 8NATIONAL EXCHA! Name HI-ALIPURDUAR 1.82 SCEIPT (from 44) 1918 11.24 (8.400kV) URI 1.24 (8.400kV) URI 1.24 (8.400kV) PARA 1.82 (8.220kV)	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW)	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.0 0.8 10.9	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW)	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -45.9 -45.9
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line Line Line Lealipurduar Ri Mangbechi Hep- 400kv Tala-Binag Malbase - Binagi Receipt (from tal- 220kv Chiukiia-Birag Malbase - Birpar	0 1006 478 7.54 0 1 0 8NATIONAL EXCHA! Name HI-ALIPURDUAR 1.82 5CEIPT (from 4*180MW) URI 1.24 (8. 400KV JRI) i.e. BINAGURI A HEP (6*170MW) PJAKA 182 (8. 220KV	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW)	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.0 0.8 10.9	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW)	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -45.9 -45.9
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 1 1 1 INTER Line Line Line Los Alipurduar Ri MANGBECHI HEP. 4008 Y TALABNAG MALBASE - BINAGI RECEIPT (From TAL 2208V CHUKHA-BIR RECEIPT (from CHU	0 1006 478 7.54 0 1 0 8NATIONAL EXCHA! Name HI-ALIPURDUAR 1.82 5CEIPT (from 4*180MW) URI 1.24 (8. 400KV JRI) i.e. BINAGURI A HEP (6*170MW) PJAKA 182 (8. 220KV	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 9.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -2.3
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 1 1 1 INTER Line Line Line Los Alipurduar Ri MANGBECHI HEP. 4008 Y TALABNAG MALBASE - BINAGI RECEIPT (From TAL 2208V CHUKHA-BIR RECEIPT (from CHU	0 1006 1006 478 754 0 0 11 0 0 RNATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400kV (RI) i.e. BINAGURI A HEP (6*170MW) PPARA 1&2 (& 220kV (A) i.e. BIRPARA KHA HEP 4*84MW) J- SALAKATI	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW)	7.2 19.5 17.9 9.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -2.3
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	2 2 2 2 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPARI MALBASE - BIRPA	0 1006 1006 478 754 0 0 1 0 0 RNATIONAL EXCHAI Name III-ALIPURDUAR 1&2 ECEIPT (from 4*180AW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 4	297 2514 2090 0 0 0 44 WR-SR Max (MW) 224 441	0.0 0.0 0.0 10.0 10.0 0.0 0.0 0.0 0.0 0.	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -0.3
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	2 2 2 2 1 1 1 INTER Line 400kV MANGBECHI i.e. ALIPURDUAR RI MANGBECHI HEP- 400kV TALA-BINAG RECEIPT (IT ALIPURDUAR RI MALBASE - BINAGU RECEIPT (IT ALIPURDUAR RI MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (IT OF MALBASE) 132kV-TANAKPUR(132kV-TANAKPUR(0 1006 1006 478 7.54 0 1 1 0 0 ENATIONAL EXCHA! Name HI-ALIPURDUAR 1&2 CZEIPT (from 4*180MW) URI 1,2,4 (& 400RV IRI) i.e. BINAGURI A HEP (6*10MW) PARA 1&2 (& 220RV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI iiii	297 2514 2090 0 0 0 44 WR-SR Max (MW) 224 441	0.0 0.0 0.0 10.0 10.0 0.0 0.0 0.0 0.0 0.	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -0.3
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPARI MALBASE - BIRPA	0 1006 1006 478 7.54 0 1 1 0 0 ENATIONAL EXCHA! Name HI-ALIPURDUAR 1&2 CZEIPT (from 4*180MW) URI 1,2,4 (& 400RV IRI) i.e. BINAGURI A HEP (6*10MW) PARA 1&2 (& 220RV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI iiii	297 2514 2090 0 0 0 44 44 WR-SR, NGES Max (MW) 224 441 128 -15	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 360	7.2 19.5 17.9 9.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95	-12.2 -7.2 -19.5 -17.9 -10.0 -0.8 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -0.3 -0.6
8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 1 1 1 INTER Line 400kV MANGBECHI i.e. ALIPURDUAR RI MANGBECHI HEP- 400kV TALA-BINAG RECEIPT (IT ALIPURDUAR RI MALBASE - BINAGU RECEIPT (IT ALIPURDUAR RI MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (IT OF MALBASE) 132kV-TANAKPUR(132kV-TANAKPUR(0 1006 1006 478 754 0 0 1 1 0 0 RNATIONAL EXCHAI Name HI-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400kV (R) i.e. BINAGURI A HEP (6*170MW) PPARA 1&2 (& 220kV (A) i.e. BIRPARA KIHA HEP 4*84MW) J - SALAKATI in NII) - ((PG)	297 2514 2090 0 0 0 44 44 WR-SR, NGES Max (MW) 224 441 128 -15	0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 360	7.2 19.5 17.9 9.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95	-12.2 -7.2 -19.5 -17.9 -10.0 -0.8 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -0.3 -0.6
8	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG MALBASE - BINAGH RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR 132KV-GEYLEGPHL 132KV-GEYLEGPHL 132KV-GEYLEGPHL 132KV-BHARARPURG MAHENDRANAGAR 132KV-BHARARPURG	0 1006 1006 478 754 0 0 1 0 0 RNATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 2CEIPT (from 4*180AW) RRI 1,2,4 (& 400kV RRI 1,2,4 (& 40	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441 128 -15 -29	0.0 0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.0 0.0	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10	-12.2 -7.2 -19.5 -19.5 -17.9 -10.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -0.3 -0.6 -0.2
8	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 1 1 1 INTER Line GONEY MANGDECHI Le ALIPHRUDHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR MANGDECHI LE ALIPHRUHAR MANGDECHI LE ALIPHRUHAR MALBASE - BINAGI RECEIPT (from TAL LE ALIPHRUHAR MALBASE - BINAGI RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 132KV-BIHAR - NEP 226KV-MUZAFFARI	0 1006 1006 478 754 0 0 1 0 0 RNATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 2CEIPT (from 4*180AW) RRI 1,2,4 (& 400kV RRI 1,2,4 (& 40	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441 128 -15 -29	0.0 0.0 0.0 0.0 10.0 0.0 0.0 0.0 0.0 0.0	7.2 19.5 17.9 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10	-12.2 -7.2 -19.5 -19.5 -17.9 -10.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -0.3 -0.6 -0.2
8	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP. 400kV TALA-BINAG MALBASE - BINAGH RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR 132KV-GEYLEGPHL 132KV-GEYLEGPHL 132KV-GEYLEGPHL 132KV-BHARARPURG MAHENDRANAGAR 132KV-BHARARPURG	0 1006 1006 478 754 0 0 1 0 0 RNATIONAL EXCHAI Name IU-ALIPURDUAR 1&2 2CEIPT (from 4*180AW) RRI 1,2,4 (& 400kV RRI 1,2,4 (& 40	297 2514 2090 0 0 0 44 44 WR-SR NGES Max (MW) 224 441 128 -15 -29 -53	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 -1 -19	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.0 -45.9 Energy Exchange (MU) -5.1 -0.3 -0.6 -0.2 -1.8
8	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 1 1 1 INTER Line GONEY MANGDECHI Le ALIPHRUDHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR RI MANGDECHI LE ALIPHRUHAR MANGDECHI LE ALIPHRUHAR MANGDECHI LE ALIPHRUHAR MALBASE - BINAGI RECEIPT (from TAL LE ALIPHRUHAR MALBASE - BINAGI RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 132KV-BIHAR - NEP 226KV-MUZAFFARI	0 1006 178 478 754 0 1 1 0 0 180 190 190 190 190 190 190 190 190 190 19	297 2514 2090 0 0 0 44 44 WR-SR NGES Max (MW) 224 441 128 -15 -29 -53	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 -1 -19	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23	-12.2 -7.2 -19.5 -17.9 -10.0 -0.8 -0.8 -45.9 Energy Exchange (MU) -5.1 -0.3 -0.3 -0.6 -0.2 -1.8
8	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP- 400kV TALA-BINAG MALBASE - BINAGH RECEIPT (from TAL 220kV CHUKHIA-BIR MALBASE - BIRAGH 132KV-GEVLEGPHL 132KV-GEVLEGPHL 132KV-GEVLEGPHL 132KV-BIRAGH 132KV-BIRAGH MAHENDRANAGR MAHENDRANAGR MAHENDRANAGR MAHENDRANAGR MAHENDRANAGR BHERAMARA HVDG	0 1006 1006 478 754 0 0 1 1 0 0 RNATIONAL EXCHAI Name RU-ALIPURDUAR 1&2 CEEPT (from 4+180AWA) PARA 1&2 (& 400KV RR) i.e. BINAGURI AHEP (**170MW) PARA 1&2 (& 200KV AQ) i.e. BIRPARA KHA HEP 4**84MW) J - SALAKATI iiii NH) - ((PG)	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441 128 -15 -29 -53 -200	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 360 -1 -19 0 -30	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23 -9 -74	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -2.3 -0.3 -0.6 -0.2 -1.8
	765 kV 400 kV 220 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER ER E	2 2 2 2 2 1 1 1 INTER Line GONEY MANGBECHI Le, ALIPHRDUAR RI LASHER BINAGH RECEIPT (FORM MALBASE - BIRPAR RECEIPT (FORM MALB	0 1006 1006 478 754 0 0 1006 1754 0 0 1006 1754 0 0 1007 1007 1007 1007 1007 1007 1007	297 2514 2090 0 0 0 44 WR-SR NGES Max (MW) 224 441 128 -15 -29 -53 -200	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.8 10.9 Min (MW) 0 360 -1 -19 0 -30	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23 -9 -74	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -2.3 -0.3 -0.6 -0.2 -1.8
	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI REGION ER ER ER ER NER NER NER NER NER ER ER ER	2 2 2 2 1 1 1 INTER Line Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP- 400kV TALA-BINAG MALBASE - BINAGT MALBASE - B	0 1006 1006 478 754 0 1 0 1006 RNATIONAL EXCHA! Name H-ALIPURDUAR 182 CCEIPT (from 4180MW) URI 12.4 (8. 400KV)RI) i.e. BINAGURI A HEP (6+170MW) PARA 182 (8. 220KV)A LE BIRRARA KHA HEP 4*84MW) J- SALAKATI Lia NNI) - ((PG) AL PUR - DHALKEBAR CEBANGLADESH) NAGAR- DESH)-1	297 2514 2090 0 0 0 44 44 WR-SR, NGES Max (MW) 224 441 128 -15 -29 -53 -200 0 -895	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23 -9 -74	-12.2 -7.2 -19.5 -17.9 -10.0 -0.8 -0.8 -45.9 Energy Exchange (MU) -5.1 -0.3 -0.6 -0.2 -1.8 -0.0
	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI REGION ER ER ER ER NER NER NER NER NER ER ER ER	2 2 2 2 2 1 1 1 INTER Line GONEY MANGBECHI Le, ALIPHRDUAR RI LASHER BINAGH RECEIPT (FORM MALBASE - BIRPAR RECEIPT (FORM MALB	0 1006 1006 478 754 0 0 1 1 0 0 RNATIONAL EXCHAI Name RU-ALIPURDUAR 1&2 2CEIPT (from 11801,24) & 4000V RRI 1,24 & 4000V RRI 1,25 & 4000V RRI 1,26 & 4000V RRI 1,26 & 4000V RRI 1,27 & 4000V RRI 1	297 2514 2090 0 0 0 44 44 WR-SR, NGES Max (MW) 224 441 128 -15 -29 -53 -200 0 -895	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.2 19.5 17.9 0.0 0.0 0.0 0.0 0.0 0.0 56.7 Avg (MW) 211 390 95 -10 -23 -9 -74	-12.2 -7.2 -19.5 -17.9 -10.0 -0.0 -0.0 -0.8 -45.9 Energy Exchange (MU) -5.1 -9.4 -0.3 -0.6 -0.2 -1.8 -0.0