

National Load Despatch Centre पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Date: 23rd Oct, 2015 Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

- 1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता 700033 General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. Executive Director, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 कार्यपालक निदेशक, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई 400093 General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगल्र 560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 22.10.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 22nd Oct 2015 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर निम्न लिंक 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 22nd Oct 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/23.10.15 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 23-Oct-15

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	38746	40881	32508	16957	2109	131201
Peak Shortage (MW)	451	224	1200	150	145	2170
Energy Met (MU)	860	1032	790	348	37	3066
Hydro Gen(MU)	151	32	41	48	15	287
Wind Gen(MU)	4	6	9			19

B. Frequency Profile (%)

Region	<49.2	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.00	0.00	0.23	2.16	2.40	69.66	27.94
SR GRID	0.00	0.00	0.23	2.16	2.40	69.66	27.94

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	OD(+)/	Max
RegionRegion	States	Met during the	maximum Demand	Met (MU)	Schedule (MU)	UD(-) (MU)	OD (MW
		day (MW)	(MW)	Met (MO)	Schedule (MO)	OD(-) (MO)	OD (MW
	Punjab	4735	0	100.1	44.2	0.5	164
	Haryana	6430	0	120.7	53.8	-1.3	325
	Rajasthan	9614	0	208.3	66.0	2.5	632
	Delhi	3226	0	67.1	56.8	-3.7	3
NR	UP	12972	550	270.5	125.6	-4.1	418
	Uttarakhand	1437	0	30.0	16.9	0.8	234
	HP	1127	0	21.4	12.8	0.9	178
	J&K	1937	484	38.0	29.9	0.6	215
	Chandigarh	165	0	3.4	3.5	-0.1	19
	Chhattisgarh	3361	0	81.8	32.8	0.0	236
	Gujarat	12930	0	292.6	61.1	0.7	480
	MP	9421	0	213.2	120.3	-2.9	127
WR	Maharashtra	18618	62	415.5	122.8	0.6	296
WK	Goa	393	0	8.7	7.5	0.8	36
	DD	255	0	4.2	4.3	0.0	31
	DNH	677	0	13.9	14.3	-0.4	63
	Essar steel	137	0	2.2	2.0	0.2	87
	Andhra Pradesh	6775	0	148.1	21.2	1.4	999
	Telangana	6300	0	139.5	94.6	-1.1	303
SR	Karnataka	7107	1500	163.6	28.2	3.1	677
Jii	Kerala	3115	0	61.8	45.3	3.1	357
	Tamil Nadu	12707	0	270.7	130.0	5.7	503
	Pondy	310	10	6.4	6.1	0.3	42
	Bihar	3327	150	65.2	64.5	0.8	140
	DVC	2307	0	52.0	-20.6	-0.9	150
ER	Jharkhand	975	0	23.3	11.6	-0.7	50
Liv	Odisha	3336	0	68.2	14.5	2.4	200
	West Bengal	7099	0	138.3	37.6	1.9	100
	Sikkim	60	0	1.0	0.5	0.4	25
	Arunachal Pradesh	110	3	1.9	1.8	0.1	36
	Assam	1218	71	21.8	16.5	-0.2	156
	Manipur	147	0	2.3	2.3	0.1	41
NER	Meghalaya	248	2	3.4	2.6	-1.3	51
	Mizoram	77	4	1.2	1.3	-0.1	14
	Nagaland	104	2	1.8	1.6	0.1	20
	Tripura	263	1	4.1	2.0	0.1	24

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.6	-1.0	-10.9
Max MW		-150.0	-457.0

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.0	-139.3	67.0	-69.3	-0.8	1.6
Actual(MU)	137.3	-151.9	74.9	-67.0	-2.9	-9.6
O/D/U/D(MU)	-6.7	-12.6	7.9	2.3	-2.1	-11.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4367	11051	3350	1100	0	19868
State Sector	7940	10526	2718	5059	110	26353
Total	12307	21577	6068	6159	110	46221

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि॰प्रा॰(ग्रि॰प्र॰)/ अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिङ)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

		INTER-REC	HOWAL	LACIIA	NGE ₅	Date of R	23-Oct-15	
				1 37		Import=(+ve) /Export	=(-ve)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	Export of	ER (With NR)		1				
1	<u> </u>	GAYA-FATEHPUR	S/C	33	-282	0.0	-3.1	-3.1
	765KV	GAYA-BALIA	S/C	0	0	0.0	-3.0	-3.0
2		SASARAM-FATEHPUR	S/C	0	0	0.0	-0.4	-0.4
3	HVDC LINK	PUSAULI B/B	S/C	0	0	0	-9	-9
4		PUSAULI-SARNATH	S/C	0	-245	0	0	0
5	Ī	PUSAULI -ALLAHABAD	D/C	0	-146	0	0	0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	54	-386	0	-5	-5
7	400 K V	PATNA-BALIA	Q/C	0	-246	0	-8	-8
8		BIHARSHARIFF-BALIA	D/C	91	-144	0	-3	-3
		BARH-GORAKHPUR	D/C	0	0	0	-6	-6
10	220 KV	PUSAULI-SAHUPURI	S/C	0	-198	0.0	-3.6	-3.6
11		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
12	132 KV	GARWAH-RIHAND	S/C	43	0	0.6	0.0	0.6
13		KARMANASA-SAHUPURI	S/C	0	-1	0.0	0.0	0.0
14		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
nport/	Export of	ER (With WR)			ER-NR	0.6	-40.5	-39.9
15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	-553	0	-8.1	-9.6	-8.1
16	703 K V	NEW RANCHI-DHARAMJAIGARH	S/C	-138	109	-1.4	-1.5	-1.4
17		ROURKELA - RAIGARH (SEL LILO	S/C	0	0	1.9	0.0	1.9
18	1	BYPASS) JHARSUGUDA-RAIGARH	S/C	0	0	4.0	0.0	4.0
19	400 KV	IBEUL-RAIGARH	S/C	0	0	4.0	0.0	4.0
20	1	STERLITE-RAIGARH	D/C	0	0	2.8	-5.9	-5.9
21	1	RANCHI-SIPAT	D/C	0	0	0.0	-0.1	-0.1
22		BUDHIPADAR-RAIGARH	S/C	384	0	3.4	0.0	3.4
23	220 KV	BUDHIPADAR-KORBA	D/C	0	-175	0.0	-2.9	-2.9
					ER-WR	6.7	-20.0	-5.0
nport/l	Export of	ER (With SR)					· · · · · · · · · · · · · · · · · · ·	
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	-739	0	-19.5	-19.5
25	LINK	TALCHER-KOLAR BIPOLE	D/C	0	-1966	0	-47.2	-47.2
26	400 KV	TALCHER-I/C		0	0	0	0	0
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0
	F 4 - 4	PED (WEAL NED)			ER-SR	0.0	-66.7	-66.7
27	400 KV	EER (With NER)	Q/C	204	60	2	0	2
28	220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI	D/C	0	-69 -59	0	-1	-1
20	220 K V	BIRPARA-SALAKATI	D/C	U	ER-NER	2.6	-0.8	1.8
nnort/	Export of	NR (With NER)			EK-11EK	2.0	-0.0	1.0
29		BISWANATH CHARIALI-AGRA	_	0	0	0.0	0	0.0
	11,20	DISTRIBUTION TO THE PROPERTY OF THE PROPERTY O	l	Ü	Ü	0.0		0.0
4.0					NR-NER	0.0		0.0
nport/1	Export of	WR (With NR)			NR-NER	0.0	0.0	0.0
30		WR (With NR) V'CHAL B/B	D/C	100	NR-NER			2.5
-			D/C D/C	100		2.5 0.0	0.0	
30	HVDC	V'CHAL B/B			0	2.5	0.0	2.5
30 31	HVDC 765 KV	V'CHAL B/B GWALIOR-AGRA	D/C	0	0 -2446	2.5 0.0	0.0 0.0 -46.8	2.5 -46.8
30 31 32	HVDC 765 KV 765 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C	0	0 -2446 -872	2.5 0.0 0	0.0 -46.8 -16	2.5 -46.8 -16
30 31 32 33	HVDC 765 KV 765 KV 400 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	D/C D/C S/C	0 0 130	0 -2446 -872 -12	2.5 0.0 0 1.6	0.0 -46.8 -16 0.0	2.5 -46.8 -16 1.6
30 31 32 33 34	HVDC 765 KV 765 KV 400 KV 400 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C S/C S/C	0 0 130 58	0 -2446 -872 -12 -78	2.5 0.0 0 1.6 0.0	0.0 -46.8 -16 0.0 0.0	2.5 -46.8 -16 1.6 0.0
30 31 32 33 34 35	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	D/C D/C S/C S/C S/C	0 0 130 58 0	0 -2446 -872 -12 -78 0	2.5 0.0 0 1.6 0.0 0.0	0.0 -46.8 -16 0.0 0.0	2.5 -46.8 -16 1.6 0.0 0.0
30 31 32 33 34 35 36	HVDC 765 KV 765 KV 400 KV 400 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA	D/C D/C S/C S/C S/C S/C	0 0 130 58 0 102 52 79	0 -2446 -872 -12 -78 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7	0.0 -46.8 -16 0.0 0.0 0.0 0.0	2.5 -46.8 -16 1.6 0.0 0.0 1.7
30 31 32 33 34 35 36 37 38 39	HVDC 765 KV 765 KV 400 KV 400 KV 220 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47	0 -2446 -872 -12 -78 0 0 -12 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7
30 31 32 33 34 35 36 37 38	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	0 0 130 58 0 102 52 79	0 -2446 -872 -12 -78 0 0 -12 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8
30 31 32 33 34 35 36 37 38 39 40	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47	0 -2446 -872 -12 -78 0 0 -12 0 0 WR-NR	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0
30 31 32 33 34 35 36 37 38 39 40	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47	0 -2446 -872 -12 -78 0 0 -12 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8
30 31 32 33 34 35 36 37 38 39 40 41	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR)	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 0 WR-NR -2131	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7
30 31 32 33 34 35 36 37 38 39 40 41 mport/l	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV HVDC Export of HVDC	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL -MHG WR (With SR) BHADRAWATI B/B	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 0 WR-NR -2131	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7
30 31 32 33 34 35 36 37 38 39 40 41 mport// 42 43	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 0 WR-NR -2131	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7
30 31 32 33 34 35 36 37 38 39 40 41 mport// 42 43 44	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV HVDC Export of HVDC	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 0 WR-NR -2131	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3
30 31 32 33 34 35 36 37 38 39 40 41 mport/1 42 43 44 45	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of HVDC LINK 765 KV	VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 0 WR-NR -2131 -1000 0 -1582 -211	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4
30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR - L. SILLERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C S/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C D/C S/C D/C S/C S/C D/C S/C S/C D/C D/C D/C S/C D/C D/C	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 WR-NR -2131 -1000 0 -1582 -211 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4 0.0	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4 0.0
30 31 32 33 33 34 35 36 37 38 39 40 41 42 42 43 44 44 45	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of HVDC LINK 765 KV	VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 WR-NR -2131 -1000 0 -1582 -211 0 0	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0 0.0 1.7 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4 0.0 0.0	2.5 -46.8 -16 1.6 0.0 0.0 0.0 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4 0.0 1.8
30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of HVDC LINK 765 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 -12 0 0 -12 0 0 -131 -1000 0 -1582 -211 0 0 WR-SR	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4 0.0	2.5 -46.8 -16 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4 0.0
30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of HVDC LINK 765 KV	VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 -12 0 0 -12 0 0 -131 -1000 0 -1582 -211 0 0 WR-SR	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0 0.0 1.7 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4 0.0 0.0	2.5 -46.8 -16 1.6 0.0 0.0 0.0 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4 0.0 1.8 -56.8
30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46	HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 220 KV 132KV HVDC Export of HVDC LINK 765 KV	V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR APL - MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 130 58 0 102 52 79 47 0	0 -2446 -872 -12 -78 0 0 -12 0 0 -12 0 0 -12 0 0 -131 -1000 0 -1582 -211 0 0 WR-SR	2.5 0.0 0 1.6 0.0 0.0 1.7 0.6 1.7 0.8 0.0 8.8 0.0 0.0 0.0 0.0 1.7 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -46.8 -16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 -49.7 -23.9 0.0 -30.3 -4.4 0.0 0.0	2.5 -46.8 -16 1.6 0.0 0.0 0.0 1.7 0.8 0.0 -53.7 -49.7 -23.9 0.0 -30.3 -4.4 0.0 1.8