

# **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: 22<sup>nd</sup> 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 21.10.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 21st 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 21st Oct 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/22.10.15 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 22-Oct-15

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	42553	45957	34007	17168	2187	141873
Peak Shortage (MW)	1353	267	1500	150	159	3429
Energy Met (MU)	916	1114	802	357	39	3228
Hydro Gen(MU)	157	31	48	48	15	298
Wind Gen(MU)	10	7	11			28

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	0.50	8.04	8.55	77.16	14.29
SR GRID	0.00	0.00	0.50	8.04	8.55	77.16	14.29

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	5438	0	113.6	48.9	2.3	364
	Haryana	7121	0	135.0	63.9	0.8	437
	Rajasthan	9851	0	214.9	66.3	1.8	281
	Delhi	4011	0	79.9	73.1	-2.2	28
NR	UP	12651	1910	271.1	130.0	-1.0	390
	Uttarakhand	1778	0	35.3	18.5	4.3	262
	HP	1296	0	24.5	16.2	0.5	83
	J&K	1921	480	37.6	27.4	0.7	249
	Chandigarh	213	0	4.1	4.1	0.3	20
	Chhattisgarh	3676	96	87.0	35.7	1.5	236
	Gujarat	13824	0	309.2	62.2	-0.5	480
	MP	9919	0	226.0	127.8	-1.8	127
WR	Maharashtra	21054	334	457.3	138.5	-1.8	296
	Goa	431	0	9.0	8.5	0.2	36
	DD	291	0	6.6	6.6	0.0	31
	DNH	708	0	16.5	16.6	0.0	63
	Essar steel	138	0	2.2	1.8	0.4	87
	Andhra Pradesh	6770	0	152.8	19.5	-0.1	366
	Telangana	6701	0	149.7	103.3	0.2	235
SR	Karnataka	7292	1500	167.1	28.3	3.8	718
511	Kerala	3367	0	65.0	40.7	3.1	298
	Tamil Nadu	11629	0	261.4	124.4	3.5	759
	Pondy	267	0	5.8	5.9	-0.1	25
	Bihar	3374	150	67.3	68.2	-0.9	150
	DVC	2434	0	56.5	-20.9	-0.5	165
ER	Jharkhand	1048	0	23.4	12.3	-1.3	50
-11	Odisha	3367	0	67.0	14.7	3.2	210
	West Bengal	7108	0	141.7	40.5	3.4	100
	Sikkim	78	0	1.2	0.8	0.4	30
	Arunachal Pradesh	107	6	1.9	1.9	0.1	34
	Assam	1301	57	23.8	18.0	0.3	205
	Manipur	143	4	2.2	2.2	0.0	31
NER	Meghalaya	287	0	4.4	2.7	-0.5	75
	Mizoram	81	0	1.2	1.3	-0.1	16
	Nagaland	101	1	1.8	1.7	0.0	17
	Tripura	252	1	4.0	1.9	0.0	19

 ${\color{red} \textbf{D. Transnational Exchanges} \ (MU) - \textbf{Import}(+\textbf{ve})/\textbf{Export}(-\textbf{ve})}$ 

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.3	-1.4	-11.3
Max MW		-158.0	-469.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.6	-144.9	65.1	-81.4	0.0	-0.6
Actual(MU)	169.7	-160.8	69.3	-80.1	-1,2	-3.1
O/D/U/D(MU)	9.1	-15.9	4.2	1.3	-1.2	-2.5

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4587	10801	3140	1600	0	20128
State Sector	8440	10231	2408	5059	110	26248
Total	13027	21032	5548	6659	110	46376

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	2011111		.,020	Date of R	Reporting:	22-Oct
						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	1	1	
1		GAYA-FATEHPUR	S/C	0	-319	0.0	-4.9	-4.9
	765KV	GAYA-BALIA	S/C	0	0	0.0	-4.0	-4.0
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	-240	0	0	0
5	1	PUSAULI -ALLAHABAD	D/C	0	-150	0	0	0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	56	-379	0	-6	-6
7	400 K	PATNA-BALIA	Q/C	0	-224	0	-9	-9
8		BIHARSHARIFF-BALIA	D/C	85	-177	0	-3	-3
		BARH-GORAKHPUR	D/C	0	0	0	-6	-6
10	220 KV	PUSAULI-SAHUPURI	S/C	0	-193	0.0	-3.3	-3.3
11		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
12	132 KV	GARWAH-RIHAND	S/C	34	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 ER-NR	0.0	0.0	0.0
port/E	Export of	ER (With WR)			EK-NK	0.6	-46.2	-45.6
15	T -	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	-867	0	-14.8	-14.6	-14.8
16	765 KV	NEW RANCHI-DHARAMJAIGARH	S/C	-155	56	-1.4	0.0	-1.4
17		ROURKELA - RAIGARH ( SEL LILO	S/C	0	0	1.6	0.0	1.6
	1	BYPASS)						
18	400 KV	JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C	0	0	3.5	0.0	3.5
20		STERLITE-RAIGARH	D/C	0	0	3.5 2.4	0.0 -5.9	-5.9
21		RANCHI-SIPAT	D/C D/C	0	0	0.0	-0.1	-0.1
22		BUDHIPADAR-RAIGARH	S/C	262	0	3.3	0.0	3.3
23	220 KV	BUDHIPADAR-KORBA	D/C	0	-172	0.0	-3.0	-3.0
23	l	вериниви кокви	Dic	Ü	ER-WR	-1.8	-23.6	-13.2
port/F	Export of	ER (With SR)						
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	-742	0	-18.3	-18.3
25	LINK	TALCHER-KOLAR BIPOLE	D/C	0	-2163	0	-46.7	-46.7
26	400 KV	TALCHER-I/C		0	0	0	0	0
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0
					ER-SR	0.0	-65.1	-65.1
							00.12	0011
	_	ER (With NER)	1 0/6	105	120			
27	400 KV	BINAGURI-BONGAIGAON	Q/C	185	-139	1	0	1
	_		Q/C D/C	185	-68	1 0	0 -1	1 -1
27 28	400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI	_ `			1	0	1
27 28	400 KV 220 KV Export of	BINAGURI-BONGAIGAON	_ `		-68	1 0	0 -1	1 -1
27 28 port/F	400 KV 220 KV Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI NR (With NER)	_ `	0	-68 ER-NER	1 0 1.3	0 -1 -1.1	1 -1 0.2
27 28 28 29	400 KV 220 KV Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI NR (With NER)	_ `	0	-68 <b>ER-NER</b>	1 0 1.3	0 -1 -1.1	1 -1 <b>0.2</b>
27 28 28 29	400 KV 220 KV Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA	_ `	0	-68 <b>ER-NER</b>	1 0 1.3	0 -1 -1.1	1 -1 <b>0.2</b>
27 28 <b>port/F</b> 29	400 KV 220 KV Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B	D/C	150	-68 ER-NER  0 NR-NER	1 0 1.3	0 -1 -1.1	1 -1 0.2 0.0 0.0
27 28 <b>port/F</b> 29 <b>port/F</b> 30	Export of HVDC  Export of HVDC  To HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B	D/C - D/C	150	-68 ER-NER  0 NR-NER  -50	1 0 1.3 0.0 0.0	0 -1 -1.1 0 0.0 -1.0 -59.4 -19	1 -1 0.2 0.0 0.0
27 28 <b>port/F</b> 29 <b>port/F</b> 30 31	220 KV 220 KV Export of HVDC Export of HVDC 765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA	D/C D/C D/C	150 100 0	-68 ER-NER  0 NR-NER  -50 -3052	1 0 1.3 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8	1 -1 0.2 0.0 0.0 -0.6 -59.4
27 28 28 29 29 29 29 30 31 32	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL	D/C D/C D/C D/C D/C	150 100 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088	1 0 1.3 0.0 0.0 0.0	0 -1 -1.1 0 0.0 -1.0 -59.4 -19	1 -1 0.2 0.0 0.0 -0.6 -59.4
27 28 <b>port/F</b> 29 <b>port/F</b> 30 31 32 33 34 35	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	100 0 0 0 44 93 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0	0.0 0.0 0.0 0.0 0.4 0.0 0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0
27 28 <b>port/F</b> 29 <b>port/F</b> 30 31 32 33 34 35 36	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA	D/C  D/C  D/C  D/C  D/C  D/C  S/C  S/C	150 100 0 0 44 93 0 80	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0
27 28 29 29 29 29 30 31 32 33 34 35 36 37	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	150 100 0 0 44 93 0 80 30	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 -0.1	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0
27 28 29 29 29 30 31 32 33 34 35 36 37 38	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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 D/C D/C D/C S/C S/C S/C S/C S/C S/C	150 100 0 0 44 93 0 80 30 72	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27	1 0 1.3 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2
27 28 29 29 29 30 31 32 33 34 35 36 37 38 39	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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  D/C  D/C  D/C  S/C  S/C  S/C	150 100 0 0 44 93 0 80 30 72 40	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 -1 -1.1 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 -0.1 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1
27 28 29 29 29 30 31 32 33 34 35 36 37 38	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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 D/C D/C D/C S/C S/C S/C S/C S/C S/C	150 100 0 0 44 93 0 80 30 72	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 0	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0	0 -1 -1.1 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 -0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5
27 28 29 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV 220 KV Export of HVDC 765 KV 400 KV 400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	150 100 0 0 44 43 30 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 0 WR-NR	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 0.0 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 0.0 -80.6	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0
27 28 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	150 100 0 0 44 93 0 80 30 72 40	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 0	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0	0 -1 -1.1 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 -0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5
27 28 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 220 KV 132KV HVDC Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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  D/C  D/C  D/C  S/C  S/C  S/C	150 100 0 0 44 43 30 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -277 0 0 WR-NR	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 0.0 -51.1	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0 -76.9
27 28 29 <b>port/F</b> 30 31 32 33 34 35 36 37 38 39 40 41	400 KV 220 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C   D/C   D/C   D/C   D/C   S/C   S/C	150 100 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 0 WR-NR	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 0.0 0.0 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 0.0 -80.6	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0
27 28 <b>port/F</b> 29 <b>port/F</b> 30 31 32 33 34 35 36 37 38 39 40 41 <b>port/F</b>	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  HVDC  HVDC  HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	0 150 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 WR-NR  -2131	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 -59.6 -51.1 -23.8	1 -1 -0.2 -0.0 -0.0 -0.6 -59.4 -19 -0.8 -0.0 -1.2 -0.1 -1.3 -0.5 -76.9 -51.1 -23.8
27 28 29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 <b>port/F</b> 42 43	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	150  100 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -277 0 0 WR-NR  -2131	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 0.0 -51.1 -23.8 0.0	1 -1 -0.2 -0.0 -0.0 -0.6 -59.4 -19 -0.8 -0.0 -1.2 -0.1 -1.3 -0.5 -51.1 -23.8 -0.0 -0.0 -76.9 -51.1 -23.8 -0.0 -0.0 -23.8 -23.8 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
27 28 29 29 29 30 31 32 33 34 35 36 37 38 39 40 40 41 41 41 41 42 43 44	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  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	150  100 0 0 44 93 0 80 30 72 40 0 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 WR-NR -2131	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0 0.0 -0.1 0.0 -51.1 -23.8 0.0 -24.3	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0 -76.9 -51.1
27 28 29 <b>port/F</b> 29 30 31 32 33 34 35 36 37 38 40 41 <b>port/F</b> 42 43 44 44 45	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK 765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	D/C     D/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     S/C     D/C     D/C	150  100 0 0 44 93 0 80 30 72 40 0 0 0 0 0 0 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -27 0 0 WR-NR -2131  -1000 0 -1817 -214	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -19 -0.8 0.0 0.0 -0.1 0.0 0.0 -51.1 -23.8 0.0 -24.3 -4.6	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 -76.9 -51.1
27 28 28 29 <b>port/F</b> 30 31 32 33 34 35 36 37 38 39 40 41 <b>port/F</b> 42 43 44 45 46	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK 765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	D/C     D/C     D/C     D/C     D/C     D/C     S/C     S/C	100 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -227 0 0 WR-NR -2131 -1000 0 -1817 -214 0	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -1.9 -0.8 0.0 0.0 -0.1 0.0 0.0 -80.6 -51.1 -23.8 0.0 -24.3 -4.6 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 -76.9 -51.1 -23.8 0.0
27 28 28 29 <b>port/F</b> 30 31 32 33 34 35 36 37 38 39 40 41 <b>port/F</b> 42 43 44 45 46	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK 765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	D/C	0 150 100 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -227 0 0 WR-NR -2131  -1000 0 -1817 -214 0 0 WR-SR	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -1.9 -0.8 0.0 0.0 -0.1 0.0 0.0 -80.6 -51.1 -23.8 0.0 -24.3 -4.6 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0 -76.9 -51.1
27 28 <b>port/F</b> 29 <b>port/F</b> 30 31 32 33 34 35 36 37 38 39 40 41 <b>port/F</b> 42 43 44 45 46	400 KV 220 KV  Export of HVDC  Export of HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of HVDC  LINK 765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) 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	0 150 100 0 0 44 93 0 80 30 72 40 0	-68 ER-NER  0 NR-NER  -50 -3052 -1088 -136 -169 0 0 -227 0 0 WR-NR -2131  -1000 0 -1817 -214 0 0 WR-SR	1 0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.2 1.3 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 -1 -1.1 0 0 0.0 -1.0 -59.4 -1.9 -0.8 0.0 0.0 -0.1 0.0 0.0 -80.6 -51.1 -23.8 0.0 -24.3 -4.6 0.0 0.0 0.0	1 -1 0.2 0.0 0.0 -0.6 -59.4 -19 -0.8 0.0 0.0 1.2 0.1 1.3 0.5 0.0 -76.9 -51.1