

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: 31st Oct, 2016

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. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. महाप्रबंधक, प .क्षे .भा .प्रे .के., एफ3-, 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. प्. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. महाप्रबंधक . द .क्षे .भा .प्रे .के..२९ . रेस कोर्स क्रॉस रोड, बंगलुरु -560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 30.10.2016.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30 अक्टूबर 2016 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 30th October 2016, is available at the NLDC website.

http://posoco.in/download/31-10-16 nldc psp/?wpdmdl=7293

Thanking You.

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day Date of Reporting 31-Oct-16

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	38953	38863	32055	18426	2362	130659
Peak Shortage (MW)	457	0	0	250	30	737
Energy Met (MU)	823	897	793	353	42	2908
Hydro Gen(MU)	136	38	31	52	11	268
Wind Gen(MU)	5	14	15			34
Solar Gen (MU)*	2.70	9.76	9.40	0.04	0.03	22

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.033	0.00	0.00	2.57	2.57	73.04	24.39
SR GRID	0.033	0.00	0.00	2.57	2.57	73.04	24.39

Max. Demand Shortage during Drawal OD(+)/ Max Energy RegionRegion States Met during the maximum Demand Met (MU) Schedule (MU) UD(-) (MU) OD (MW) day (MW) (MW) Punjab 4455 0 93.9 50.9 -0.4 420 Harvana 5611 0 100.3 67.1 -1.1356 57.0 Rajasthan 9137 0 186.6 1.7 469 221 2828 0 58.5 48.8 Delhi 0.6 NR UP 15053 0 299.0 127.3 -3.0 627 Uttarakhand 1424 0 27.5 14.9 -2.2 125 HP 978 0 17.7 10.1 140 -0.2 1829 457 J&K 37.1 31.7 -4.3 0 Chandigarh 155 0 2.8 3.4 -0.5 2912 68.4 10.0 221 Chhattisgarh 0 -1.7 Gujarat 9864 0 220.8 56.4 -0.9 413 MP 8911 0 195.8 117.6 -2.6 573 Maharashtra 17744 0 382.4 106.7 0.9 453 WR 362 0 7.0 7.6 -1.1 0 Goa DD 231 0 3.6 3.8 -0.2 DNH 690 0 11.5 11.9 -0.4 106 Essar steel 352 0 7.1 6.8 0.3 211 Andhra Pradesh 7043 O 154.8 27.2 2.4 332 Telangana 7213 0 145.8 66.2 0.6 496 Karnataka 9023 0 197.0 76.7 6.4 631 SR 3131 51.6 2.3 231 Kerala 0 59.4 Tamil Nadu 230.9 115.0 738 2.4 10441 0 Pondy Bihar 3661 250 70.5 68.9 172 DVC 2485 0 60.8 -28.9 0.0 145 Jharkhand 1145 0 22.0 15.2 0.5 78 ER Odisha 3768 0 71.1 17.3 -1.0 250 West Bengal 7514 0 127.3 28.9 -1.9 201 Sikkim 64 0 1.1 1.1 0.0 18 Arunachal Pradesh 123 7 2.1 1.9 0.2 14 Assam 1440 25.1 17.9 2.1 167 134 4 2.0 0.2 Manipur 10 NER 5.2 277 2.4 Meghalava 4 1.0 59 1.3 71 Mizoram 1.4 0.0 14 104 2.0 1.7 0.2 Nagaland 4.3 0.8 101 Tripura

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	21.7	-2.6	-12.9
Day peak (MW)	925.0	-223.1	-599.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.6	-195.4	82.5	-69.4	0.0	2.3
Actual(MU)	175.8	-202.9	93.9	-71.1	3.5	-0.8
O/D/U/D(MU)	-8.8	-7.5	11.4	-1.7	3.5	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5100	11724	3210	1370	85	21489
State Sector	11050	19633	5831	6454	110	43078
Total	16150	31357	9041	7824	195	64567

 $[\]underline{*Source}; RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के॰वि॰प्रा॰(ग्रि॰प्र॰)/

अध्यक्ष एवं प्रबंध निदेशक (पावरिग्रेड)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

Import/Expo	HVDC LINK	Line Details CR (With NR) GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA PUSAULI B/B PUSAULI-SARNATH POSAULI-SARNATH BIHARSHARIFF-BALIA BIHARSHARIFF-BALIA BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH STERLITE-RAIGARH	D/C S/C S/C S/C D/C D/C S/C S/C D/C D/C D/C S/C S/C	Max Import (MW) 0 286 0 0 10 0 183 0 51 0 23 0 0 35 0 0 174 612 217	Max Export (MW) 281 0 389 297 0 301 357 616 164 437 0 236 0 0 ER-NR	Import (MU) 0.0 3.8 0.0 0.0 5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3	Export (MU) 9.4 0.0 6.5 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 5.6.7	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU) -9.4 3.8 -6.5 0.0 5.7 -7.1 -5.9 -11.6 -2.3 0.0 -4.5 0.0 0.9 0.0 -46.3
Import/Expo	Level Level Diort of F Link Level Link	CR (With NR) GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA PUSAULI-SARNATH PUSAULI-SARNATH PUSAULI-SARNATH PUSAULI-SALIA BIHARSHARIFF-BALIA BIHARSHARIFF-BALIA BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C S/C S/C S/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 S	(MW) 0 286 0 0 10 0 183 0 51 0 23 0 0 35 0 174 612	Export (MW) 281 0 389 297 0 301 357 616 164 437 0 236 0 0 ER-NR	0.0 3.8 0.0 0.0 5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	(MU) 9.4 0.0 6.5 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 5.7 4.7	(MU) -9,4 3.8 -6.5 0.0 5.7 -7.11 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -46.3
1	HVDC LINK	GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA PUSAULI B/B PUSAULI-SARNATH PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C S/C S/C	286 0 0 10 0 183 0 51 0 0 23 0 0 35 0	0 389 297 0 301 357 616 164 437 0 236 0 0 0 ER-NR	3.8 0.0 0.0 5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 6.5 0.0 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 56.7	3.8 -6.5 0.0 5.7 -7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -46.3
2 76 3	HVDC LINK 100 KV 100 KV 100 KV 100 KV 100 KV 100 KV	SASARAM-FATEHPUR GAYA-BALIA PUSAULI B/B PUSAULI-SARNATH PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BBARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C S/C S/C	286 0 0 10 0 183 0 51 0 0 23 0 0 35 0	0 389 297 0 301 357 616 164 437 0 236 0 0 0 ER-NR	3.8 0.0 0.0 5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 6.5 0.0 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 56.7	3.8 -6.5 0.0 5.7 -7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -46.3
3	HVDC LINK 100 KV 100 KV 100 KV 100 KV 100 KV 100 KV	GAYA-BALIA PUSAULI B/B PUSAULI-SARNATH PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BHARSHARIFF-BALIA BHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C S/C S/C	0 0 10 0 183 0 51 0 23 0 0 35 0 0	389 297 0 301 357 616 164 437 0 236 0 0 ER-NR	0.0 0.0 0.0 5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3	6.5 0.0 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 5.6 7.1 4.7	-6.5 0.0 5.7 -7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -46.3
4	LINK 1000 KV 1220 KV 132 KV 1000 t of E	PUSAULI-SARNATH PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/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 S	10 0 183 0 51 0 23 0 0 0 35 0 0	297 0 301 357 616 164 437 0 236 0 0 0 ER-NR	5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 5.6.7	0.0 5.7 -7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 0.0 -46.3
1	120 KV 220 KV 232 KV 2400 KV 2	PUSAULI-SARNATH PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/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 S	10 0 183 0 51 0 23 0 0 0 35 0 0	0 301 357 616 164 437 0 236 0 0 0 0 ER-NR	5.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 56.7	5.7 -7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -4.3
6 7 8 9 10 11 12 22 13 14 15 16 17 7 18 7 19 20 21 22 23 24 25 22 24 25 25 22 24 25 25 26 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	32 KV 32 KV 4400 KV 44	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/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 S	0 183 0 51 0 23 0 0 35 0 0	301 357 616 164 437 0 236 0 0 0 0 ER-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.1 5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 56.7	-7.1 -5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -4.5
7 8 9 10 11 11 12 22 13 14 15 16 17 18 76 19 20 21 22 23 24 25 22 23 24 25 24 25 12 27 12 28 40 29 20 10 10 11 12 13 14 15 16 19 19 20 21 20 21 21 22 23 24 25 24 25 20 20 20 20 20 20 20 20 20 20 20 20 20	220 KV 32 KV 30 FT OF FT 32 KV 400 KV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C Q/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 S	183 0 51 0 23 0 0 35 0 0 174 612	357 616 164 437 0 236 0 0 0 ER-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 11.6 2.3 9.3 0.0 4.5 0.0 0.0 0.0 56.7	-5.9 -11.6 -2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 0.0 -46.3
9 10 11 12 22 13 14 15 16 17 18 76 19 20 21 22 23 24 25 22 25 22 25 20 20 20 20 20 20 20 20 20 20 20 20 20	32 KV 32 KV 32 KV 32 KV 3400 KV 32 KV 3400 KV 3220 KV	PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	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 S	51 0 23 0 0 0 35 0 0	164 437 0 236 0 0 0 ER-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.9 0.0 0.0 10.3	2.3 9.3 0.0 4.5 0.0 0.0 0.0 0.0 56.7	-2.3 -9.3 0.0 -4.5 0.0 0.9 0.0 -46.3
10 11 12 22 13 14 15 16 17 18 76 19 20 21 22 23 24 25 22 27 12 28 40 29 21 29 20 40 21 20 21 20 21 21 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 24 25 22 23 24 25 22 24 25 26 27 27 40 27 27 40 27 28 28 40 29 20 20 20 20 20 20 20 20 20 20 20 20 20	220 KV 32 KV 30 ort of F 765 KV	BARH-GORAKHPUR BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C	0 23 0 0 35 0 0	437 0 236 0 0 0 0 ER-NR	0.0 0.0 0.0 0.0 0.0 0.9 0.0 0.0 10.3	9.3 0.0 4.5 0.0 0.0 0.0 0.0 56.7	-9.3 0.0 -4.5 0.0 0.9 0.0 0.0 -46.3
11 12 22 13 14 15 16 17 18 76 19 20 21 22 23 24 25 22 23 24 25 22 27 L 28 40 29 22 27 L 28 40 29 20 20 30 40 31 22 apport/Expo	220 KV 32 KV 30 ort of E 765 KV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	23 0 0 0 35 0 0	0 236 0 0 0 0 ER-NR	0.0 0.0 0.0 0.9 0.0 0.0 10.3	0.0 4.5 0.0 0.0 0.0 0.0 56.7	0.0 -4.5 0.0 0.9 0.0 0.0 -46.3
12 22 13 14 15 16 17 17 18 19 20 21 22 23 24 25 22 25 22 25 27 L 28 40 29 22 29 20 20 20 20 2	220 KV 32 KV 30 ort of F 765 KV 400 KV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C D/C D/C S/C S/C	0 0 35 0 0	236 0 0 0 0 ER-NR	0.0 0.0 0.9 0.0 0.0 10.3	4.5 0.0 0.0 0.0 0.0 0.0 56.7	-4.5 0.0 0.9 0.0 0.0 -46.3
13 14 15 16 17 18 19 20 21 22 23 24 25 22 23 24 25 22 27 10 28 40 29 22 20 20 21 22 23 24 25 20 20 21 20 21 20 21 20 21 20 21 20 21 20 21 20 21 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	.32 KV	SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C S/C S/C	0 35 0 0 174 612	0 0 0 0 ER-NR	0.0 0.9 0.0 0.0 10.3	0.0 0.0 0.0 0.0 56.7	0.0 0.9 0.0 0.0 -46.3
14 15 16 17 17 18 19 20 21 22 23 24 25 22 25 22 27 L 28 40 29 22 29 20 20 20 20 2	00rt of F 765 KV	GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI CR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C S/C D/C D/C S/C	35 0 0 174 612	0 0 0 ER-NR 619 29	0.9 0.0 0.0 10.3	0.0 0.0 0.0 56.7	0.9 0.0 0.0 -46.3
13 13 15 16 17 17 18 76 19 20 40 22 23 24 25 22 25 22 27 L 28 40 29 22 29 20 20 20 20 2	00rt of F 765 KV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI IR (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C S/C D/C D/C S/C	0 0 174 612	0 0 ER-NR 619 29	0.0 0.0 10.3	0.0 0.0 56.7 4.7	0.0 0.0 -46.3
16 17 18 19 20 21 22 23 24 25 22 23 24 25 26 17 27 1. 28 40 29 22 29 20 20 30 40 31 22 20 20 21 22 23 24 25 22 23 24 25 22 23 24 25 22 23 24 25 22 24 25 22 23 24 25 22 23 24 25 22 24 25 24 25 26 27 27 28 28 28 40 29 20 20 20 20 20 20 20 20 20 20 20 20 20	765 KV 400 KV	ER (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C D/C D/C S/C	174 612	619 29	0.0 10.3	0.0 56.7 4.7	0.0 -46.3
17 76 18 76 19 20 21 22 23 24 25 22 25 22 26 Ht 27 L 28 40 29 22 20 20 30 40 31 22 22 24 25 25 25 25 25	765 KV 400 KV	JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C S/C	612	619 29	0.0	4.7	
17 76 18 76 19 20 21 22 23 24 25 22 25 22 26 Ht 27 L 28 40 29 22 20 20 30 40 31 22 22 24 25 25 25 25 25	765 KV 400 KV	JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C S/C	612	29			-4.7
19	400 KV	NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	D/C S/C	612	29			-4.7
19 20 21 22 23 24 25 22 25 20 26 40 27 L 28 40 29 22 29 20 20 20 20 20 20 20 20 20 20 20 20 20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH	S/C			0.3	0.0	6.2
20 21 22 23 24 25 22 25 22 27 L 28 40 29 22 20 20 20 20 20 20 20 20 20 20 20 20	100 KV	BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH		217			0.0	6.3
21	220 KV	IBEUL-RAIGARH	S/C		0	2.5	0.0	2.5
22 23 24 25 22 22 22 23 24 25 22 22 27 L 28 40 29 22 22 22 22 22 22 22 22 22 22 22 22	220 KV		1	194	0	2.9	0.0	2.9
23 24 25 22 25 22 26 27 L 28 40 29 22 29 22 20 20 20 21 21 22 22 23 24 25 27 27 28 29 22 20 20 20 20 20 20 20 20 20 20 20 20	220 KV	STERLITE-RAIGARH	S/C	49	0	2.0	0.0	2.0
24 25 25 22 26 HY 27 L 28 40 29 22 29 22 29 31 30 40 31 22 29	220 KV		D/C D/C	100 338	177 0	0.0 3.5	0.0	-1.0 3.5
25 22 26 HY 27 L 28 40 29 22 29 22 20 20 20 20 20 20 20 20 20 20 20 20 2	220 K V	RANCHI-SIPAT BUDHIPADAR-RAIGARH	S/C	41	88	0.0	0.0	-0.4
26 H ¹ 27 L 28 40 29 22 mport/Expo 30 40 31 22 mport/Expo		BUDHIPADAR-KORBA	D/C	157	0	2.6	0.0	2.6
26 H ¹ 27 L 28 40 29 22 mport/Expo 30 40 31 22					ER-WR	19.8	6.0	13.7
27 L 28 40 29 22 mport/Expo 30 40 31 22 mport/Expo	ort of E	CR (With SR)						
28 40 29 22 mport/Expo 30 40 31 22 mport/Expo		JEYPORE-GAZUWAKA B/B	D/C	0.0	327	0.0	16.0	-16.0
29 22 nport/Expo 30 40 31 22 nport/Expo		TALCHER-KOLAR BIPOLE	D/C	0.0	1967	0.0	38.4	-38.4
mport/Expo 30 40 31 22 mport/Expo		TALCHER-I/C BALIMELA-UPPER-SILERRU	S/C	0.0	1200	0.0	18.0	-18.0 0.0
30 40 31 22 nport/Expo	20 K V	BALINILLA-UI I EK-SILEKKU	5/C	U	ER-SR	0.0	54.4	-54.4
31 22	ort of l	ER (With NER)						
nport/Expo	400 KV	BINAGURI-BONGAIGAON	Q/C	0	1044	0.0	13.8	-14
<u> </u>	220 KV	BIRPARA-SALAKATI	D/C	0	0	0.0	2.7	-3
<u> </u>		ID (WAL MED)			ER-NER	0.0	16.4	-16.4
		BISWANATH CHARIALI-AGRA	T .	683	0	15.4	0.0	15.4
32 H	nvbc	BISWANATH CHARIALI-AGRA	_	063	NR-NER	15.4	0.0	15.4
nport/Expo	ort of V	VR (With NR)						
33 H	HVDC	V'CHAL B/B	D/C	500	50	10.9	0.1	10.9
		APL -MHG	D/C	0	2317	0.0	50.0	-50.0
		GWALIOR-AGRA	D/C	0	2586	0.0	49.3	-49.3
	_	PHAGI-GWALIOR	D/C	0	1430	0.0	28.2	-28.2
		ZERDA-KANKROLI ZERDA -BHINMAL	S/C S/C	53 11	135 209	0.0	0.4 2.0	-0.4 -2.0
		ZERDA -BHINMAL V'CHAL -RIHAND	S/C S/C	0	0	0.0	0.0	0.0
		RAPP-SHUJALPUR	D/C	0	0	0.0	0.0	0.0
41		BADOD-KOTA	S/C	76	0	1.0	0.0	1.0
42 22	220 KV	BADOD-MORAK	S/C	35	23	0.2	0.1	0.1
43	ļ	MEHGAON-AURAIYA	S/C	49	0	1.0	0.0	1.0
44		MALANPUR-AURAIYA	S/C	21	10	0.2	0.0	0.2
45 13	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0 WR-NR	0.0 13.2	0.0 129.9	0.0 -116.7
iport/Expo	ort of V	VR (With SR)				13.4	147.7	-110./
<u> </u>		BHADRAWATI B/B	-	0	1000	0.0	22.9	-22.9
		BARSUR-L.SILERU		0	0	0.0	0.0	0.0
		SOLAPUR-RAICHUR	D/C	0	2497	0.0	42.3	-42.3
		KOLHAPUR-KUDGI	D/C	0	618	0.0	8.4	-8.4
50		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
51 22		PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C	0 65	0	0.0 1.3	0.0	0.0
34		ALLDENI-ANDE WADI	3/C	0.0	WR-SR	1.3	73.6	-72.4
		TD A NCA	ATIONA	L EXCHAN		1.0	13.0	-12.4
54		BHUTAN	ATIONA	L EACHAN	JE.			2
55	ı	NEPAL	1					