



सत्यमेव जयते



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

सं./NO. पू.क्षे.वि.स./PROTECTION/2025/57

दिनांक /DATE:08.04.2025

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 146 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 146th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 146 वीं पीसीसी बैठक, 23 अप्रैल 2025 (बुधवार) को 10:30 बजे पूर्वाह्न से एम एस टीम्स (ऑनलाइन) के द्वारा वर्चुअल माध्यम से आयोजित की जाएगी। मीटिंग लिंक ई-मेल या संदेश के माध्यम से अग्रेषित किया जाएगा।
Notice is hereby given that 146th PCC meeting of ERPC will be held on 23rd April 2025 (Wednesday) from 10:30 Hrs (Forenoon) through MS Teams(online) in virtual mode. The meeting link will be forwarded through e-mail or message.
चर्चा हेतु अस्थायी कार्यसूची बिन्दुएं निम्नानुसार होंगे :

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 145th Protection sub-Committee Meeting of ERPC
- 2) Disturbance at 765kV New Ranchi S/s on 21/03/2025 at 09:35 Hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for March 2025 as attached at **Annexure 1.**

आपसे निवेदन है कि बैठक के दौरान अर्थपूर्ण विश्लेषण हेतु उपरोक्त ट्रिपिंग से संबंधित समस्त दस्तावेज (SLD, SOE, DR, Relay and schematic diagram of auxiliary supply, where ver applicable) सहित विस्तृत रिपोर्ट प्रस्तुत करें। आपसे अनुरोध किया जाता है कि संरक्षण डाटाबेस प्रबंधन प्रणाली में लागू ट्रिपिंग घटना सूचना प्रणाली का विवरण ऑन-लाइन में अपलोड करें www.erpc-protectiondb.in.

You are requested to kindly furnish the detail report along with all records (SLD, SOE, DR, Relay and schematic diagram of auxiliary supply, wherever applicable) related to above tripping well in advance for meaningful analysis. You are also requested to upload the details in on-line tripping incident reporting system implemented in Protection Database Management System(www.erpc-protectiondb.in.)

बैठक में आपकी उपस्थिति महत्वपूर्ण है।

Your participation in the meeting is highly solicited.

भवदीय / Yours faithfully,

(आई. के.मेहरा/ I. K. Mehra)
अधीक्षण अभियंता (पी.एस)
Superintending Engineer (PS)

LIST OF ADDRESSES:

Chief Engineer, Trans (O&M) Bihar State Power Transmission Limited, Vidyut Bhawan, Bailey Road, Patna-800021	Chief Engineer (CRITL) Bihar State Power Transmission Limited, Vidyut Bhawan, Bailey, Road, Patna-800021
Chief Engineer(System Operation), SLDC , BSPTCL, Patna-800021	
Chief Engineer (SLDC) Damodar Valley Corporation, GOMD-I Premises, P.O.- DaneshSeikh Lane, Howrah- 711109	Chief Engineer (CTC) Damodar Valley Corporation, P.O. Maithon Dam, Dist. Dhanbad,Jharkhand-828207
Chief Engineer, (CRITL) Jharkhand Urja Sancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002	Chief Engineer (CLD) Jharkhand UrjaSancharan Nigam Limited, Kusai Colony,Doranda, Ranchi-834002
Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha – 751 022. FAX: 0674-2542932 cgm.onm@optcl.co.in	Sr. General Manager (PPA), Technical Wing, OHPCL, Orissa State Police Housing & Welfare Corp. Bldg. VaniviharChowk, Janpath, Bhubaneswar-752022
Chief Load Dispatcher, SLDC OPTCL, P.O. Mancheswar Rly. Colony Bhubaneswar-751017	Chief Engineer (Testing), WBSETCL Central Testing Laboratory, Abhikshan, Salt Lake, Kolkata-700091 (Fax no. 2367-3578/1235)
Chief Engineer (CLD) WBSETCL, P.O.Danesh Sheikh Lane, AndulRoad, Howrah-711109	Addl. Chief Engineer (ALDC) West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7 th Floor, Bidhannagar, Sector-I Salt Lake City, Kolkata-700091(Fax-033-2334-5862)
Dy. Chief Engineer (Testing)/ Sr. Manager (Testing) CESC Ltd.,4, SasiSekhar Bose Road, Kolkata-700025	General Manager (O&M) KhSTPS, NTPC Ltd., P.O. Deepti Nagar, Dist. Bhagalpur, Bihar-813203
General Manager(O&M) FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236	Dy. General Manager (Engineering), WBPDC, OS Dept. Corporate Office, 3/C, L.A Block, Salt Lake-III, Kolkata-700098 (Fax-033-23350516)
General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213	General Manager (OS), ERHQ-II, NTPC Ltd., 3 rd flr. OLIC Building, Plot no. N 17/2, Nayapalli, Unit-8 Bhubaneswar- 751012 (Fax No. 0674-2540919)
General Manager(O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117	General Manager (AM), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar – 751 007
General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2 nd Floor), DakBungalowChawk, Patna-800001	Manager (Electrical), Adhunik Power & Natural Resources Ltd. “Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)
Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)	Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd.,Lalpania, Dist. Bokaro, Jharkhand-829149
Dy. General Manager (Electrical) IB Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa	General Manager (AM), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001
Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010	Sr. Manager (CTMC) Durgapur Projects Limited,Durgapur-713201
Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033	Head –Regulatory and contracts, IndiGrid Limited , 247 Embassy, Office No 107, ‘B’ Wing, Hindustan Co. Bus Stop, Gandhi Nagar, L.B.S. Road, Vikhroli West, Mumbai – 400 079. Ph : +91 845509 96408
General Manager (AM), ER-II Power Grid Corporation of India Ltd., J-I-15, Block-EP, Sector-V,Salt Lake,Kolkata-91	The Plant Head, Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207
General Manager (P&O), PTC Ltd., Kanchanjunga Bldg.,18, Barakhamba Road,	

New Delhi-110001	
Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.	Managing Director, Druk Green Power Corprn. P.O. Box-1351, Thimpu, Bhutan.
Associate Director (Commercial and Regulatory) Darbhanga-Motihari Transmission Company Limited (DMTCL),503,Windsor, Off CST Road, Kalina, Santacruz(E), Mumbai-400098	The Plant Head, JITPL. (FAX:011-26139256-65)
General Manager, Sikkim Urja Limited, New Delhi (FAX:011-46529744)	President , TPTL, Bhikaji Cama Place, New Delhi , 110066
Director (NPC), CEA, NRPC Building, KatwariaSarai, New Delhi- 110016	President, Dans Energy Pvt. Ltd, 5th Floor, DLF Building No. 8, Tower-C, Gurgaon - 722002
Director, Shiga Energy Pw. Ltd., 5th Floor, DLF Building No. 8, Tower-C, Gurgaon - 722002	DGM (E&I), HALDIA ENERGY LIMITED, BARIK BHAWAN, KOKATA-700072, FAX: 033-22360955
The Plant Head, Dikchu HEP, Sikkim	
CEO, BPSO, Thimpu, Bhutan	

List of important transmission lines in ER which tripped in March-2025

Sl. No.	LINE NAME	TRIP DATE	TRIP TIME	RESTORATION DATE	RESTORATION TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Reason	Fault Clearance time in msec	Remarks	DR Configuration Discrepancy(Local End)	DR Configuration Discrepancy(Remote End)	DR/EL RECOVERED FROM LOCAL END	DR/EL RECOVERED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
1	400KV-KHARAGPUR-CHAIBASA-1	01-03-2025	17:34:00	01-03-2025	19:28:00	Kharagpur End: B-ph, Z-1, FD:144.7 Km, FC: 2.21 kA,	Chaibasa End: B-ph, Z-1, FD: 36.4 Km, FC: 6.1 kA	B-Earth	100 msec	A/r failed after 1 second			YES	YES	WBS ETC L	PG ER-1
2	400KV-MAITHON-DURGAPUR-2	01-03-2025	14:02:00	01-03-2025	16:22:00	B-N Fault, FC-5.52kA	Durgapur:-B-N Fault, FD-17.5kM, FC-2.92kA	B-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ER-II	PG ER-II

3	400KV-BOLANGIR (PG)-ANGUL-1	01-03-2025	13:36:00	01-03-2025	15:55:00	Angul:-M1-FC-5.01kA,FD-67.5kM. M2-FC-5.07kA,FD-66.3kM.	Bolangir:-FC-1.36 kA,FD-133.1kM. B-G fault.	B-Earth	100 msec	DR not submitted. Three phase tripping for phase to ground fault. PG Odisha may explain.			NO	NO	PG ODI SHA	PG ODI SHA
4	220KV-SAHARSA-BEGUSARAI-1	03-03-2025	13:45:00	03-03-2025	14:39:00	Saharsa: R-N, Z-1, 25.1 km, IR=5.02 kA,	Begusarai End: Main 1 :Zone-1, R phase fault,Distance - 55KM,FC - 3.27KA	R-Earth	100 msec	A/r failed after 1 second			YES	YES	PMT L	BSPT CL
5	765KV-ANGUL-JHARSUGUDA-1	05-03-2025	18:04:00	05-03-2025	18:47:00	Angul end: M1, B-G, IF: 3.39kA, 264.2KM	Jharsugda end: M1,B-G ,Z#1, IF: 16.33kA, 7.4KM	B-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ODI SHA	PG ODI SHA
6	220KV-SAHARSA-BEGUSARAI-1	05-03-2025	11:25:00	05-03-2025	16:53:00	R/I at Saharsa: R_N, Fault Dist. 24.9 km, Ir- 5.4 kA;	Begusarai : Zone-1, R_N, Fault Distance - 55KM, Ir - 3.27KA	R-Earth	100 msec	A/r failed after 1 second			YES	YES	PMT L	BSPT CL

7	400KV-JHARSUGUDA-ROURKELA-3	06-03-2025	15:14:00	06-03-2025	18:32:00	Jharsuguda: Y-Ph, 40.03km, 5.65kA, Z-I	Rourkella: Y-Ph, 80.82km, 2.872kA, Z-I	Y-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ODI SHA	PG ODI SHA
8	220KV-SAHARSA(PMTL)-BEGUSARAI-2	08-03-2025	18:57:00	08-03-2025	19:46:00	Saharsa end Relay details: BN fault, fault current - 2.456 kA, fault distance - 64 km.	Auto recloser is successfully operated at Begusarai end and relay details: Zone I, Dist 19.1Km, IC=4.83KA	B-Earth	100 msec	DR not submitted. Three phase tripping for phase to ground fault from Saharsa end. PG ER-1 may explain.			NO	NO	PMT L	BSPT CL
9	220KV-CHANDIL-STPS(WBPDCL)-1	09-03-2025	12:08:00	09-03-2025	12:52:00	Chandil: E/F & O/C operated FC: 1.2KA, FD:16 KM	STPS: Z-2, R-Ph, FC: 281 A, FD:92 KM	R-Earth	100 msec	Line tripped on phase to ground fault from both end.			YES	NO	JUS NL	WBP DCL
10	400KV-JAMSHEDPUR-CHAIBASA(PG)-1	12-03-2025	12:28:00	12-03-2025	14:07:00	Jamshedpur: R ph , 7.5 km, 14.13 kA	Chaibasa: R ph , 3.3 km, 7.02 kA	R-Earth	350 msec	A/r failed after 1 second from Jamshedpur end and three phase tripping occurred from Chaibasa end after Z-2 time delay.			YES	YES	PG ER-1	PG ER-1

11	220KV-JODA-RAMCHANDRAPUR-1	13-03-2025	11:49:00	13-03-2025	13:02:00	Joda end: B-E, Zone 1, 22.65 km, A/R successful from Joda end, F/C 1.98 kA	Ramchandrapur end: Zone 1, 139.2 km,	B-Earth	100 msec	A/r successful from Joda end,			YES	YES	OPT CL	JUN L
12	400KV-TENUGHAT-PVUNL-1	15-03-2025	13:00:00	15-03-2025	19:22:00	Tenughat: Z-I, 17.76km, 1.659kA	-	Y-Earth	100 msec	A/r failed after 1 second			NO	NO	TVN L	PVU NL
13	400KV-JAMSHEDPUR-ANDAL-2	15-03-2025	17:40:00	15-03-2025	20:36:00	Jmashedpur: Y-N, 31.1km, 6.1kA	Y-N, FC-3.04 Ka, Z-1	Y-Earth	100 msec	A/r successful from both ends. Tripped again within reclaim time.			YES	YES	PG ER-1	DVC
14	400KV-ROURKELA-JHARSUGUDA-4	15-03-2025	12:37:00	15-03-2025	13:16:00	Rourkela end: M1,R-G, F/L: 94.702KM, 3.923KA	Jharsuguda end: M1, ZONE -1, R-G, F/C 7.3kA, F/L 30 km	R-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ODI SHA	PG ODIS HA

15	400KV-NEW RANCHI-PATRATU-1	15-03-2025	10:31:00	15-03-2025	13:16:00	New Ranchi: B-N Ph, 12.65kA, 15.9km	Patratu: Ia 0.21kA, Ib 0.41kA, Ic 1.10kA. Distance 49.9km	B-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ER-1	JUNSL
16	400KV-KHARAGPUR-KOLAGHAT-1	16-03-2025	19:39:00	16-03-2025	20:19:00	KHARAGPUR END : R-ph, Z1, 60.9 KM, Ir- 4.088 KA	KTPP END : R-ph, Z1, 15.52 KM, Ir- 10.68 KA	R-Earth	100 msec	A/r successful from both ends. Tripped again within reclaim time.			YES	NO	WBS ETC L	WBP DCL
17	400KV-KOLAGHAT-KHARAGPUR-2	17-03-2025	19:30:00	00-01-1900	00:00:00	Kolaghat: Z-1, R ph, 4.18 kA	Kharagpur: Z-1, R ph, 10.7 km, 10.24 kA	R-Earth	100 msec	A/r failed after 1 second			NO	YES	WBP DCL	WBS ETCL
18	400KV-MEDINIPUR-KHARAGPUR-2	17-03-2025	19:28:00	00-01-1900	00:00:00	Kharagpur: Z-1, Y ph, 11.5 km, 9.9 kA	Z-1, Y ph, FC-4.14 Ka	Y-Earth	100 msec	A/r successful from both ends. Tripped again within reclaim time.		DR is not Time Synchronized	YES	YES	PMJ TL	WBS ETCL

19	400KV-MEDINIPUR-KHARAGPUR-1	17-03-2025	19:22:00	00-01-1900	00:00:00	Medinipur: R-Y ph, 117.8 km, Ir-3.46 kA, Iy-3.47 kA	Kharagpur: Z-1, R-Y ph, 4.67 km, Ir-17.6 kA, Iy-17.5 kA	R-Y	350 msec	Line tripped from Kharagpur end in Z-1 phase to phase fault and from Medinipur end carrier didn't received and line tripped in Z-2 protection. PG(ER-II) may explain.			YES	YES	PMJ TL	WBS ETCL
20	220KV-MUZAFFARPUR-HAJIPUR-1	17-03-2025	11:09:00	17-03-2025	13:13:00	Muzaffarpur: B-N, 20kA, 1.18km;	Hajpur: B-N, 0.8kA (A/R successful)	B-Earth	100 msec	A/r successful from Hajipur end. Line tripped from Muzaffarpur end. PG(ER-I) may explain			NO	YES	PG ER-1	BSPT CL
21	400KV-BINAGURI-RANGPO-2	18-03-2025	10:37:00	18-03-2025	17:07:00	Binaguri: R-B, IR-8.5kA, 33.26km;	Rangpo: R-B, IR-3.02kA, IB-30.03kA, 75.15km	R-B	100 msec	Line tripped on phase to phase fault.			YES	YES	PG ER-II	PG ER-II
22	400KV-BARH-BAKHTIYARPUR(BH)-2	18-03-2025	13:11:00	18-03-2025	18:19:00	Barh: Y-N, 5.4kA, Z-2, 52.3km	Bakhtiyarpur: Y-N, 5.5km, 6.53kA, Z-1	Y-Earth	100 msec	A/r failed after 1 second			NO	YES	NTP C	BSPT CL

23	220KV-PANDIABILI-SAMANGARA-1	20-03-2025	12:29:00	21-03-2025	15:06:00	Tripped at only Pandiabili end, B_N, F Current Ib- 8.37 kA, F Dist 31.2 km	Didn't tripped, Line hand tripped	B-Earth	100 msec	A/r failed after 1 second from Pandiabili end, later line hand tripped from Samangara end, OPTCL may explain.			YES	NO	PG ODI SHA	OPT CL
24	220KV-JAMSHEDPUR-JINDAL-1	20-03-2025	18:34:00	20-03-2025	19:43:00	Jamshedpur: R & Y ph, Zone 1, 42.20 km	R_Y, FC- 1.97 kA, 2.07 kA, Z-1	R-Y	100 msec	Line tripped on phase to phase fault.			YES	YES	DVC	OPT CL
25	400KV-KHARAGPUR-CHAIBASA-2	20-03-2025	18:16:00	20-03-2025	19:31:00	Kharagpur: Y-ph, 121 km, 2.71 kA	Chaibasha end- Y-N FC-14.397kA FD-3.913KM;	Y-Earth	100 msec	A/r successful from both ends. Tripped again within reclaim time.			YES	YES	WBS ETC L	PG ER-1
26	765KV-NEW RANCHI-DHARAMJAIGARH-2	20-03-2025	16:09:00	20-03-2025	16:58:00	New Ranchi - B_N , FD-27.766KM, FC- 8.489KA	-	B-Earth	100 msec	A/r failed after 1 second			YES	NO	PG ER-1	PG ODIS HA

27	220KV-DALTONGANJ-CHATRA-1	21-03-2025	21:27:00	21-03-2025	22:55:00	A/R Succesfull	Chatra end: Zone 1 trip, Ia-2.668 kA, Ib-431 A, Ic-408A, Dist-2.75 km	R-Earth	100 msec	A/r successful from Daltonganj end, Line tripped from Chatra end. JUSNL may explain.			NO	NO	PG ER-1	JUSNL
28	400KV-RANCHI-SIPAT-1	21-03-2025	16:07:00	21-03-2025	21:01:00	A/R Succesfull at Ranchi end: B-N, FC-1.3 kA, FD-260 KM	Tripped From Sipat end.	B-Earth	100 msec	A/r successful from Ranchi end, line tripped from Sipat end only.			YES	NO	PG ER-1	WRL DC
29	400KV-RAJARHAT-JEERAT-1	21-03-2025	14:34:00	21-03-2025	17:42:00	Rajarhat: Y-B-Ph, Iy:6.12kA, Ib:6.28kA, 14.4km, Z-I	Jeerat: Y-B Ph, 21.83km, Z-I, Iy:9.25kA, Ib:8.96kA	Y-B	100 msec	Line tripped on phase to phase fault.			YES	NO	PG ER-II	WBS ETCL
30	220KV-CHANDIL-RANCHI-1	21-03-2025	10:22:00	21-03-2025	11:45:00	chandil end Zone 1 operated ,Dist-67.3km FC -2.12ka	Ranchi end - Y-N FD - 23.9 km , FC - 6.03 KA	Y-Earth	100 msec	A/r failed after 1 second			YES	YES	JUSNL	PG ER-1

31	220KV-CHUKHA-BIRPARA-2	22-03-2025	18:09:00	23-03-2025	16:55:00	Chukha : Zone-1,Ir=721.53A, Iy=1965.45A, Ib=2895.37A ,In=2297.17A	Birpara: Y-BPh, Iy:3.55kA, Ib:3.56kA, 43.58km	Y-B	100 msec	Line tripped on phase to phase fault.			YES	YES	BHUTAN	PG ER-II
32	400KV-MEERAMUNDALI-JSPL-2	22-03-2025	20:13:00	22-03-2025	20:57:00	DT received at Meeramundali end	Didn't tripped.	No Fault	-	Line tripped from Meramundali end due to DT received. JSPL may explain.			YES	NA	OPT CL	JSPL
33	400KV-MEERAMUNDALI-JSPL-2	22-03-2025	18:53:00	22-03-2025	19:28:00	DT received at Meeramundali end	Didn't tripped.	No Fault	-	Line tripped from Meramundali end due to DT received. JSPL may explain.			YES	NA	OPT CL	JSPL
34	220KV-CHUKHA-BIRPARA-1	22-03-2025	18:09:00	22-03-2025	19:07:00	Chukha: A/R successful from Bhutan Side	Birpara: Y-B Ph,Iy:3.083kA, Ib:3.198kA, 40.4km	Y-B	100 msec	Line tripped on phase to phase fault from Birpara end and A/r successful from Chukka end.			NO	NO	BHUTAN	PG ER-II

35	765KV- DHARAMJAIGARH- JHARSUGUDA-1	22-03-2025	08:42:00	22-03-2025	10:39:00	Dharamjaigarh : Y_N,F Current Iy: 9.345 kA, F Dist - 75.984km ;	Z1, Y_N, F Current: 9.95kA, F Dist: 58.7km	Y-Earth	100 msec	A/r failed after 1 second			NO	NO	PG ODI SHA	PG ODIS HA
36	220KV-DALTONGANJ- CHATRA-1	23-03-2025	09:47:00	23-03-2025	16:25:00	Daltongunj: FD- 59km, 3.01kA, Y-B- Ph	Chatra :Z-1, Y_B, 63.3 km, IY 2.66 KA, Ib 2.68 KA	Y-B	100 msec	Line tripped on phase to phase fault.			NO	NO	PG ER-1	JUSN L
37	220KV-DALKHOLA (WB)-DALKHOLA (PG)- 2	27-03-2025	09:39:00	27-03-2025	16:09:00	R ph line differential relay operated at both ends.		No Fault	-	As per information received from WB, signal was missing. No line fault observed from PMU. WB may explain.			NO	NO	WBS ETC L	PG ER-II
38	220KV-TENUGHAT- BIHARSARIFF-1	27-03-2025	13:56:00	27-03-2025	14:38:00	Tenughat end: B_N, Zone-1, FC:1.27kA, FD: 40.37 km	Biharsharif end: B_N, Zone-1, FC: 1.01 kA, FD: 127.9 km	B-Earth	100 msec	As per PMU three phase tripping for phase to ground fault. JUSNL & BSPTCL may explain.			YES	NO	JUS NL	BSPT CL

