

List of important transmission lines in ER which tripped in December-2017

S.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	Auto Recloser status	Remarks
Multiple tripping at the same time											
1	400KV KISHANGANJ-NEW PURNEA-II	17/12/2017	2:01	17/12/2017	3:20	NO DT RECEIVED AT KISHANGANJ	O/V RELAY MALOPERATION AT PURNEA	O/V RELAY MALOPERATION AT PURNEA	< 100 msec		Multiple tripping at the same time
2	400KV MALDA-NEW PURNEA-I	17/12/2017	2:01	17/12/2017	3:24	B-N/Z-1/FD 70KM/FC 4.319KA,1ST TIME A/R SUCCESSFUL THEN AGAIN TRIPPED@MALDA	B-N/FD 71.3KM/FC 4.02KA	B-N Fault	< 100 msec		Multiple tripping at the same time
3	220KV TASHIDING-RANGPO-I	20/12/2017	9:50	20/12/2017	11:08	Tripped from Tashiding end only	No Relay indication	Tripped from Tashiding end only			No fault observed in PMU
4	220KV NEW MELLI-TASHIDING-I	20/12/2017	9:50	20/12/2017	10:57	No relay indication	Tripped from Tashiding end only	Tripped from Tashiding end only			No fault observed in PMU
5	400KV MALDA-NEW PURNEA-II	30/12/2017	11:14	30/12/2017	11:56	Y-N Fault	Y_N,Z-1,3.25 KA,110.4 KM	Y-N Fault	< 100 msec		Multiple tripping at the same time
6	400KV MALDA-NEW PURNEA-I	30/12/2017	11:14	30/12/2017	11:24	Y-N,2.372KA,132.5 KA FROM PURNEA	Y-N,A/R SUCCESSFUL	Y-N Fault	< 100 msec	No A/R operation at Purnea	Multiple tripping at the same time
No Autoreclose operation observed in PMU data											
7	400KV NEW CHANDITALA-KHARAGPUR-I	03/12/2017	17:19	04/12/2017	15:29	R-N,Z1,DIST=48.66Km,FC=5.71KA,AR LO.	Direct trip received.	R-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
8	220KV GAYA-SONENAGAR-II	08/12/2017	12:08	08/12/2017	12:53	B-N Fault		B-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
9	220KV BARIPADA-BALASORE-II	18/12/2017	19:47	20/12/2017	0:40	Z-1,Y-N, 8.067KA, 10KM	Z2, Y-N, 0.48KA	Y-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
10	400KV PATNA-BALIA-III	26/12/2017	4:45	26/12/2017	5:01	A/R SUCCESSFUL	Y-N, 5 KA, 77 KM	Y-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
11	765KV FATEHPUR-PUSAULI-I	29/12/2017	4:14	29/12/2017	16:30	FATEHPUR- R-N FAULT,250 KM ,2.34KA	R-N FAULT, FAULT CURRENT 2.4 KA, DISTANCE 58.7 KM	R-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
12	220KV DEHRI-GAYA-I	29/12/2017	23:56	30/12/2017	0:30		Y-N, 16.2Km, 7.4KA	Y-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
13	400KV PUSAULI(PG)-VARANASI-1	30/12/2017	1:21	30/12/2017	1:46	R-N, 9.6Km, 1.518KA		R-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
14	400KV PATNA-BALIA-III	31/12/2017	3:13	31/12/2017	5:05	R_N, F.D. 133.3 KM, 3.68 kA		R-N Fault	< 100 msec	No Auto Reclose operation observed in PMU	
Miscellaneous: Tripping on DT, No reason furnished											
15	400KV GORAKHPUR-MOTIHARI-I	09/12/2017	13:17	09/12/2017	14:53		Relay maloperation	Relay maloperation	300 msec		R-N Fault observed in PMU
16	315MVA ICT-1 AT INDRAVATI (PH)	09/12/2017	21:47	10/12/2017	2:43	Bus differential operated at 220 kv side		Bus differential operated at 220 kv side			No fault observed in PMU, ICT should not trip on Bus Differential protection
17	132KV KhSTPP, NTPC-Lalmatia-I	12/12/2017	11:20	12/12/2017	11:55	R_N Fault, 5.70 KM from KHSTPP		R-N Fault			No fault observed in PMU
18	400KV GMR-ANGUL-I	15/12/2017	13:00	15/12/2017	14:55	Tripped from GMR end	No Relay indication	Tripped from GMR end			No fault observed in PMU
19	315MVA ICT-1 AT JEYPORE	22/12/2017	21:42	23/12/2017	22:26			No reason furnished			
20	220KV JODA-RAMCHANDRAPUR-SC	28/12/2017	19:27	28/12/2017	20:01	Didn't tripped from joda end	No relay provided from RCP	Tripped only from Joda end			No fault observed in PMU

21	400KV RANCHI-RAGHUNATHPUR-III	28/12/2017	20:22	28/12/2017	21:01	Didn't Tripped from Ranchi end	DT received at RTPS end due to mal operation	DT received at RTPS end due to mal operation			MPL-Ranchi-I A/R successful at the same time
22	400KV RANCHI-RAGHUNATHPUR-III	28/12/2017	22:32	28/12/2017	23:03	Did not tripped from Ranchi end	DT received at RTPS end due to mal operation	DT received at RTPS end due to mal operation			MPL-Ranchi-II A/R successful at the same time
23	765KV MAIN BUS-II AT GAYA	29/12/2017	23:33	30/12/2017	0:30	Tripped during A/R of 765kV Gaya Balia line		Tripped during A/R of 765kV Gaya Balia line			
24	400KV ALIPURDUAR-BONGAIGAON-II	30/12/2017	21:42	30/12/2017	22:21			No reason furnished			No fault observed in PMU

Tripping of HVDC Sasaram

25	HVDC PUSAULI	22/12/2017	2:54	23/12/2017	18:55	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
26	HVDC PUSAULI	23/12/2017	21:07	23/12/2017	21:59	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
27	HVDC PUSAULI	24/12/2017	11:11	24/12/2017	15:00	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
28	HVDC PUSAULI	25/12/2017	3:05	25/12/2017	8:13	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
29	HVDC PUSAULI	25/12/2017	10:18	25/12/2017	16:03	No Reason furnished		No Reason furnished			
30	HVDC PUSAULI	26/12/2017	3:40	26/12/2017	5:47	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
31	HVDC PUSAULI	27/12/2017	7:15	27/12/2017	19:57	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			
32	HVDC PUSAULI	29/12/2017	0:30	29/12/2017	2:17	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM			

Multiple times tripping of same element

33	315MVA ICT-3 AT JAMSHEDPUR	09/12/2017	22:00			tripped due to LV overflux stage-1 (110% setting) after a delay of 6000 second at 22:54 hrs	Since at no load and 220kV cable (length around 350 meter), no load CVT voltage at line side CVT in 212 bay was high, around 112 % at night time, the LV overflux stage-1 setting (110 %) operated.	Overflux relay operated			As per PMU voltage is 422 KV
34	315MVA ICT-3 AT JAMSHEDPUR	11/12/2017	21:46	12/12/2017	12:47	LV side Over flux protection operated		Overflux relay operated			As per PMU voltage is 422 KV
35	315MVA ICT-3 AT JAMSHEDPUR	12/12/2017	17:17	12/12/2017	20:22	Residual o/V		Residual o/V			As per PMU voltage is 417 KV
36	315MVA ICT-3 AT JAMSHEDPUR	13/12/2017	2:59	14/12/2017	16:11	Over flux protection operated on 220 KV side		Over flux protection operated on 220 KV side			As per PMU voltage is 424 KV
37	220KV ATRI-PANDIABILI-II	20/12/2017	10:35	20/12/2017	11:11	No Relay indication at ATRI	DT RECIEVED AT PANDIABILI	DT RECIEVED AT PANDIABILI			No fault observed in PMU
38	220KV ATRI-PANDIABILI-II	20/12/2017	12:17	21/12/2017	13:03		DT recieved at Pandiabili	DT recieved at Pandiabili			No fault observed in PMU
39	220KV ATRI-PANDIABILI-II	27/12/2017	15:00	27/12/2017	15:38	Master relay 86A	Didn't Tripped	Master relay 86A operated at Atri end	800 msec		