

ANNEXURE. NO. A
LOADING STATUS ENDING SEPTEMBER 2020

J

184

Annexure - A

S.No. 5.3 (Loading status of PSTCL Trans. Lines S/S (stns.)

2nd Quarter (ending September-2020)

Sr. No.	P & M Circle	Name of Transmission Line	% loading as compared with the standard design Parameters of Conductor i.e. 45°C ambient temperature and 75°C conductor temperature	Remarks of P&M Organization	Proposal/Remedial Action by Planning
A) Loading status of PSTCL Transmission Lines					
	Patiala	220kV Faggan majra-Bahadurgarh	640 A at 36° C ambient temperature (114%)	Due to Paddy season this value is normal	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36° C). Also, the loading is expected to reduce with the advent of Rajpura-Bassi Pathana link.
		220kV Rajpura - Faggan majra	560 A at 35° C ambient temperature (100%)	Due to Paddy season this value is normal	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 675.15 A at 35° C). No remedial action required.
		220kV Mohali 1 - Kharar	570 A at 32° C ambient temperature (102%)	Existing Load	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 694.44 A at 32° C). No remedial action required.
		220KV N/Garh-Mohali1-Ckt-I	582 A at 29° C ambient temperature (104%)	Due to paddy season/Peak load	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 713.73 A at 29° C). No remedial action required.
		220KV N/Garh-Mohali1-Ckt-II		Due to paddy season/Peak load	
		220 KV Patran-Banvala ckt2	559 A at 31° C ambient temperature (100%)	TEMPORARY/BECAUSE LARGE AMOUNT OF POWER DRAWN BY 220KV S/S SUNAM AND 220KV S/S BANGAN	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 700.87 A at 31° C). No remedial action required.

✓ 185

		220 KV Sunam-Bhalwan-1	564 A at 36 ° C ambient temperature (101%)	LARGE AMT. OF POWER DRAWN DURING NIGHT TIME, BECAUSE SOLAR SYSTEM INSTALLED AT JHUNIR AND MANSA REMAIN OFF DURING NIGHT TIME.	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36 ° C). No remedial action required.
		220 KV Sunam-Bhalwan-2			
		132 KV Nakkian-Ropar	390 A at 31 ° C ambient temperature (102.36%)	Due to Plant Outage of Nakkian Power House and due to Paddy	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 450.17 A at 31 ° C). No remedial action required.
2.	Jalandhar	220 KV PGCIL-Kartarpur CKT-1	618 A at 36 ° C ambient temperature (110.36%)	Existing	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36 ° C). Also, augmentation of existing conductor of both circuits with HTLS conductor of min 1200 A capacity already planned in MYT 2017-20.
		220 KV PGCIL-Kartarpur CKT-2	628 A at 36 ° C ambient temperature (112.14%)	Existing	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36 ° C). Also, augmentation of existing conductor of both circuits with HTLS conductor of min 1200 A capacity already planned in MYT 2017-20.
		220 KV Kotla Junga-Kartarpur CKT-1	612 A at 36 ° C ambient temperature (109.29%)	Existing	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36 ° C). Also, the loading is expected to improve with augmentation of 220 KV PGCIL-Kartarpur circuits to HTLS which is already included in MYT 2020-23.

		220 KV Kotla Junga-Kartarpur CKT-2	635 A at 36 ° C ambient temperature (113.39%)	Existing	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36 ° C). Also, the loading is expected to improve with augmentation of 220 KV PGCIL-Kartarpur circuits to HTLS which is already included in MYT 2020-23.
		132 KV Mahilpur-Banga	396 A at 38 ° C ambient temperature (103.94%)	DUE TO INCREASE IN LOAD OF 132 KV SUB STATION BANGA DURING PADDY/SUMMER SEASON	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 421.26 A at 38 ° C). No remedial action required.
3.	Bathinda	220 kV Muktsar-Katorewala ckt. (From 400 kV S/S Shri Muktsar Sahib)	614.06 A at 29 ° C ambient temperature (109.65%)	Load increases daily. At approx. 580A PC Patiala sheds its load	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 713.73 A at 29 ° C). No remedial action required.
		220 KV Moga-Bajakhana	565 A at 31 ° C ambient temperature (100.89%)	Temperory (Due to PTW on Baghapurana Ckt-01 & 02. Load of 220 KV S/S Baghapurana is fed from 220 KV S/S Bajakhana. So, due to this 220 KV Moga-Bajakhana Line is Overloaded) Normal Maximum Load 339 dt 10.07.2020 time 21:00, % Loading = 60.53	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 700.87 A at 31 ° C). No remedial action required.
		132 KV Ferozeshah - Kotkaror	333 A at 38 ° C ambient temperature (104.06%)	Line is overloaded in paddy season due to small size of conductor	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 369.8 A at 38 ° C). Expected to be relieved with advent of 220 kV Dhalleke.
4.	Ludhiana	220 KV Sahnewal-PGCIL	636 A at 32 ° C ambient temperature (100.79%)	Normal Existing Load (only in Paddy)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 786.24 A

287

				at 32° C). No remedial action required.
	220 KV PGCIL-Lalton Ckt.-3	740 A at 37° C ambient temperature (117.2%)	Temporary (Due to fault in RTP-Ghulal line)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 749.84 A at 37° C). No remedial action required.
	220 KV Dhandari-PGCIL	606 A at 33° C ambient temperature (108.2%)	Normal Existing load (only in paddy)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 688.01 A at 33° C). No remedial action required.
	220 KV Ajitwal-PGCIL Moga	588 A at 36° C ambient temperature (105%)	Normal Existing load (only in paddy)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 668.72 A at 36° C). No remedial action required.
	220 KV PGCIL-Doraha	619 A at 35° C ambient temperature (110.53%)	Normal Existing load (only in paddy)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 675.15 A at 35° C). No remedial action required.
	132 kV Ferozeshah - Kotkaror	333 A at 38° C ambient temperature (104.06%)	Line is overloaded in paddy season due to small size of conductor	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 369.8 A at 38° C). Expected to be relieved with advent of 220 kV Dhalleke.
	220 KV Line G 01 - Rajpura Ckt 01	630 A at 33° C ambient temperature (112%)	Temporary (Due to Ckt no 02 is faulty)	High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 688.01 A at 33° C). Also, replacement of existing conductor of 220 kV Gobindgarh - 400kV Rajpura (DC) with HTLS of suitable capacity already planned in MYT

		220 KV Line G 01 - Rajpura Ckt 02	570 A at 29° C ambient temperature (102%)	Temporary (Only 1 No. Genrating unit working at RTP end)	2020-23. High loading is within permissible thermal limit corresponding to ambient temperature (i.e. 713.73 A at 29° C). Also, replacement of existing conductor of 220 kV Gobindgarh - 400kV Rajpura (DC) with HTLS of suitable capacity already planned in MYT 2020-23.
5.	Amritsar	NIL			
B) Loading status of power transformers of PSTCL substations					
Sr. No.	P & M Circle	Name of Substation/Transformer Identification	% loading as compared with the standard design Parameters	Remarks of P&M Organization	Proposal/Remedial Action by Planning
1.	Patiala	NIL			
2.	Jalandhar	NIL			
3.	Bathinda	220 kV Ferozepur/ T-3 (132/66 kV, 40/50 MVA)	103.34%	66 kV System is over-loaded at 220 kV S/S, Ferozepur	PSPCL has been repeatedly requested to carry out the necessary load shifting of 66 kV load at Ferozepur substation as due to space constraints there is no possibility of additional transformer installation/augmentation at 220 kV Ferozepur. Possibility of new 220 kV substation Jhoke Harihar is also being explored and is under study.
		220 kV Ferozepur/ T-4 (132/66 kV, 50 MVA)	100.60%		
4.	Ludhiana	NIL			
5.	Amritsar	NIL			

189

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ANNEXURE. NO. B

TRIPPING DETAILS FROM 01.04.2020 TO 30.09.2020

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190

Detail Of Tripping / Breakdown of Transmission Lines affecting the power supply For the quarter Ending June-2020.

Sr.No.	Name of the Line	Length of Line in KM	From		To		Relay Indication			Cause of Tripping / Breakdown and Remedial Measures Taken
			Date	Time	Date	Time	Hrs:Min	This End	That End	
1	132 KV Moga-Panjgrain Kalan	31.5	02-04-2020	00:42	03-04-2020	01:06	0:24	RN-Φ, DPR 29.081 KM & E/F	Breaker not installed.	Transient Fault
2	132 KV Moga-Panjgrain Kalan	31.5	03-04-2020	05:26	03-04-2020	05:40	0:14	YN-Φ, DPR 15.16 KM & E/F	Breaker not installed.	Transient Fault
3	132KV Verka-Kathunangal	15.500	05-04-2020	20:35	05-04-2020	21:48	1:13	Dir, O/C, E/F 87N, 86	Breaker Not Tripped	Due to Heavy Windstorm
4	132KV Verka-Pakharpura	20.000	05-04-2020	20:35	05-04-2020	20:47	0:12	Dir, O/C, E/F 67N, 86	Breaker Not Tripped	Due to Heavy Windstorm
5	132KV Batala-Kathunangal	22.000	05-04-2020	20:36	05-04-2020	21:46	1:10	L3, Pickup, E/F, Distance trip, Zone-1 Master Trip 86	Blue Phase Zone-1 86	Due to Heavy Windstorm
6	132 KV Moga-Panjgrain Kalan	31.5	05-04-2020	01:36	05-04-2020	02:03	0:27	RY-Φ, DPR & E/F	Breaker not installed.	Transient Fault
7	132KV Verpal-Hakima Gate Ckt-1	9.940	06-04-2020	18:01	06-04-2020	18:16	0:15	B-Y Phase Highset	Breaker Not Tripped	Due to some transient fault
8	132KV Verpal-Hakima Gate Ckt-2	9.940	06-04-2020	18:01	06-04-2020	18:16	0:15	B-Y Phase Highset	DP Zone-1 Razoa Trip ABC	Due to some transient fault
9	Ablowal-Fagganmajra Ckt 1	10.330	07-04-2020	15:15	07-04-2020	15:55	0:40	No indication	No trip.	220kV Bus.Bar Protection operated
10	Ablowal-Fagganmajra Ckt 2 (A-9)	10.330	07-04-2020	15:15	07-04-2020	15:55	0:40	No indication	No trip.	220kV Bus.Bar Protection operated
11	Ablowal-Rajla (A-6)	30.290	07-04-2020	15:15	07-04-2020	15:55	0:40	No indication	No trip.	220kV Bus.Bar Protection operated
12	132 KV Moga-Panjgrain Kalan	31.5	08-04-2020	00:40	08-04-2020	00:52	0:12	B-Φ DPR 18.988 KM O/C + E/F	Breaker not installed.	Transient Fault
13	132 KV Moga-Panjgrain Kalan	31.5	08-04-2020	03:07	08-04-2020	03:20	0:13	B-Φ DPR 24.089 KM O/C + E/F	Breaker not installed.	Transient Fault

14	132 KV Moga-Panjgrain Kalan	31.5	08-04-2020	04:15	08-04-2020	17:06	12:51	R-Φ DPR 24.089 KM O/C + E/F	Breaker not installed.	Branch of tree touched the R phase and Tree cutting between Tower No. 295 To 296 was done.
15	132 KV Moga-Gholian Kalan	16.200	08-04-2020	05:28	08-04-2020	05:50	0:22	R-Φ O/C+E/F 10.3 KM	ON	Temporary fault occurred due to flash over disc Insulators.
16	132 KV Panjgrain Kalan-Srainaga	25	09-04-2020	03:45	09-04-2020	03:55	0:10	Breaker not installed.	B-Φ O/C + E/F	Transient Fault
17	132 KV Panjgrain Kalan-Srainaga	25	09-04-2020	04:40	09-04-2020	04:58	0:18	Breaker not installed.	B-Φ O/C + E/F Z1 12.67 KM	Transient Fault
18	132 KV Kotkaror - Ferozeshah Line	18.6	09-04-2020	07:35	09-04-2020	07:43	0:08	Y phase E/F	E/F	Transient Fault , After tripping, switch yard & first pole of 132 kV Ferozeshah Line was checked by S/S Staff & was found ok. So, the line was energised.
19	132 KV Ferozeshah- Mana Singh Wala Line	10	09-04-2020	07:35	09-04-2020	07:43	0:08	O/C E/F LZT IP>2T IE>2T	-	Transient Fault After tripping, switch yard & first poles of both 132 kV lines were checked by S/S Staff & found ok. So, the lines were energised.
20	132 KV Sri Muktsar Sahib-Sarainaga Line	12.73	09-04-2020	07:05	09-04-2020	07:20	0:16	RPh, O/C, E/F	Rph, Z-1, 6.2 km	Transient Fault
21	132 KV Moga-Panjgrain Kalan	31.5	10-04-2020	06:10	10-04-2020	16:13	10:03	YN-Φ DPR Z1 12.54 KM	Breaker not installed.	Disc String Faulty on Y-Phase of Tower No.275 & 282.
22	132 KV Nakkian-Ropar	33.935	10-04-2020	15:15	10-04-2020	15:35	0:20	Not Tripped	RY-phase,zone-1, 9.5 KM	Temporary fault occurred due to flash over disc Insulators.
23	132 kv Nakkian Power House	1.365	10-04-2020	16:15	10-04-2020	15:44	0:29	Not Tripped	RY-phase,zone-1, 29.775 KM	Temporary fault occurred due to flash over disc Insulators.

24	220KV Majitha-Civilline	14.516	11-04-2020	3.30	11-04-2020	4.00	0.30	86	Breaker not tripped	Due to Protection System Operate of 220KV Bus-Bar at 220KV Majitha
25	220KV Majitha-Fatehgarh Churian	19.468	11-04-2020	3.30	11-04-2020	4.00	0.30	86	Breaker not tripped	Due to Protection System Operate of 220KV Bus-Bar at 220KV Majitha
26	132 KV Sarainaga-Muktsar Line	12.73	11-04-2020	01:10	11-04-2020	01:25	0:15	O/C+E/F,R-Phase, Zone-1,D=5.920 KM	O/C+E/F,R-Phase	Transient Fault , Try taken as per PC Instructions
27	132 KV Sarainaga-Muktsar Line	12.73	11-04-2020	3.02	11-04-2020	3.20	0:18	O/C+E/F,R-Phase, Zone-1,D=5.936 KM	O/C+E/F,R-Phase	Transient Fault
28	132 KV Sarainaga-Muktsar Line	12.73	11-04-2020	5.04	11-04-2020	17.35	12:31	O/C+E/F,R-Phase, Zone-1,D=6.018 KM	O/C+E/F,R-Phase	Disk Break of R Phase at tower no 247 & Break the Jumper of R Phase at tower no. 290
29	132 KV Muktsar-Jalalabad Line	33	12-04-2020	05:57	12-04-2020	06:10	0:13	O/C+E/F,B-Phase,	O/C+E/F,B-Phase,	Transient Fault
30	132 KV Sri Muktsar Sahib-Sarainaga Line	12.73	12-04-2020	5:55	12-04-2020	6:10	0:15	BPh, O/C, E/F	BPh, O/C, E/F	Transient Fault
31	220KV Majitha-Civilline	14.516	13-04-2020	14.40	13-04-2020	16.20	1.40	86	Breaker not tripped	Due to Y Phase LA Damaged of 220KV Bus-Bar at 220KV Majitha
32	220KV Majitha-Fatehgarh Churian	19.468	13-04-2020	14.40	13-04-2020	16.20	1.40	86	Breaker not tripped	Due to Y Phase LA Damaged of 220KV Bus-Bar at 220KV Majitha
33	132 KV Moga-Panjgrain Kalan	31.5	13-04-2020	08:13	13-04-2020	15:46	7:33	YN-Ø DPR Z1 20.096 KM	Breaker not installed.	Disc String Faulty on Y-Phase of Tower No.306.

193

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34	220KV Verpal-Rashiana	21.700	15-04-2020	15.52	16-04-2020	1.10	9.18	86, DPR, MCOM Broken Conductor	Breaker not tripped	Due to Y Phase Discs flashed at 220KV verpal gantry to gantry)
35	132KV TamTaran-Verpal	14.480	15-04-2020	15.52	15-04-2020	17.10	1.18	E/F, DMT 86	Supply failed at Verpal End (No Indication)	Due to Fault in 220KV S/stn Verpal.
36	132 KV Sarainaga-Moga Line	25	16-04-2020	11:25	16-04-2020	16:50	5:25	O/C+E/F, Y-Phase, Zone-1, D=11.95 KM	(Kotkapura-2 S/S) Isolator controlled	Transient Fault
37	132Kv Kapurthala-Science city	6.684,	16-04-20	12.42	16-04-20	12.50	00:08	Not Tripped	Dpr, YN, O/C R phase, Z-3	Due to Tripping of 132Kv Kapurthala-Rcf line .
38	132 KV Moga-Gholian Kalan	15	17-04-2020	23:29	18-04-2020	00:23	0:54	DPR RN-Φ Z1 7.8 KM & O/C+E/F	ON	Transient Fault
39	132 KV Kotkaror - Ferozshah Line	18.6	17-04-2020	23:30	18-04-2020	00:14	0:44	Master Relay	O/C E/F L2T IP>2T IE>2T	Due to tripping of 132 kv Sosan Line
40	132 KV Ferozshah- Mana Singh Wala Line	10	17-04-2020	23:28	17-04-2020	23:44	0:16	O/C E/F IE>2T	No tripping	Due to Tripping of 132 KV Sosan Line
41	132 KV Muktsar-Jalalabad Line	33	17-04-2020	23:10	18-04-2020	14:13	15:03	O/C+E/F, R-Phase, & High Set O/C Relay	Line is Isolator controlled	Transient Fault Take try After taking clearance certificate from AOTL Muktsar that Line get Hold
42	132KV Batata-Dharhwal Ckt-1	19,000	18-04-2020	2.10	18-04-2020	7.05	4.55	L-1, E/F, Pickup, Numerical, E/F	O/C, R Phase E/F 86	Due to Red Phase Bus-Bas PT Blast
43	132KV Batata-Dhariwal Ckt-2	19,000	18-04-2020	2.10	18-04-2020	7.05	4.55	L-1, E/F, Pickup, Zone-1	O/C, R Phase E/F 86	Due to Red Phase Bus-Bas PT Blast
44	132Kv Karlarpur-Beas	27.00	18-04-20	2.16	18-04-20	2.40	00:24	Dpr, AB Phase Z-1, Fi-3.8km	Not Tripped	Due to earth wire breakdown between the towers span no.57-58-59,

45	132 KV HOSHIARPUR- CHOHAL	10.600	18-04-20	16.35	18-04-20	18.55	02:20	E/F	Y-PHASE O/C	132 KV RED PHASE BUS BAR PT DAMAGED AT 132 KV HOSHIARPUR END
46	132 KV HOSHIARPUR- BOGPUR	27.087	18-04-20	16.35	18-04-20	19.35	03:00	BREAKER NOT TRIPPED	DPR RYB PHASE ZONE 2ND	132 KV RED PHASE BUS BAR PT DAMAGED AT 132 KV HOSHIARPUR END
47	132 KV MAHILPUR- HOSHIARPUR CKT NO2	25.500	18-04-20	16.35	18-04-20	18.48	02:13	DPR RED PHASE E/F ZONE 2ND	BREAKER NOT TRIPPED	132 KV RED PHASE BUS BAR PT DAMAGED AT 132 KV HOSHIARPUR END
48	132-Ghulaj- Doraha- Billaspur-Sithora	37	18-04-2020	0.55	18-04-2020	1.20	0.25	E/F	Not Trip	Due to Heavy Storm
49	132 kv Nakkian Power House	1.365	18-04-2020	15.58	18-04-2020	16.15	0.17	Not Tripped	over current, R- phase, zone-1, 29.775 KM	At tower no. 25 R-Phase 06 no disc insulator flashed due to lightning and at gantry 01 between Tower Span no. 74-75 R- Phase 02 no disc insulator flashed
50	132 kv Ropar	33.935	18-04-2020	15.58	18-04-2020	16.08	0.10	Not Tripped	Phase-AN, zone- 1, 21.3 km	At tower no. 25 R-Phase 06 no disc insulator flashed due to lightning and at gantry 01 between Tower Span no. 74-75 R- Phase 02 no disc insulator flashed.
51	132 KV Moga- Panjgrain Kalan	31.5	19-04-2020	05:30	19-04-2020	17:02	11:32	BN-Φ DPR Z1 30.2 KM	Breaker not installed.	Disc String Faulty on Y- Phase of Tower No.338 & 335.
52	132 KV Kotkaror- Ferozeshah Line	18.5	19-04-2020	16:40	19-04-2020	17:15	0:35	O/C E/F R phase Highset	O/C E/F R-Phase	Due to damage of 132 kV LA of R Phase of Power T/F at 132 kV S/S, Mana Singh Wala

195

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53	132 KV Ferozshah- Mana Singh Wala Line	10	19-04-2020	16:40	19-04-2020	15:55	0:15	O/C E/F R- Phase	-	Due to damage of 132 kV LA of R Phase of Power T/F at 132 KV S/S, Mana Singh Wala
54	132 kv Ropar	33.935	19-04-2020	9:35	19-04-2020	10:14	0:39	Not Tripped	Phase AN, zone- 1, 21.3 km	At tower no. 25 R-Phase 06 no disc insulator flashed due to lightning and at gantry 01 between Tower Span no. 74-75 R- Phase 02 no disc insulator flashed.
55	132 kv Nakkian Power House	1.365	19-04-2020	15:58	19-04-2020	10:21	0:46	Not Tripped	over current, R- phase, zone-1, 11.026 KM	Patrolling of line is done from tower no 15-55 and 72-85 and found that at tower no. 25 R-Phase 06 no disc insulator flashed due to lightning and at gantry 01 between Tower Span no. 74-75 R-Phase 02 no disc insulator flashed due to birdage .
56	132 kv Ropar	33.935	19-04-2020	12:08	19-04-2020	18:3	6:22	Not Tripped	Phase AN, zone- 1, 10.7 km	Patrolling of line is done from tower no 15-55 and 72-85 and found that at tower no. 25 R-Phase 06 no disc insulator flashed due to lightning and at gantry 01 between Tower Span no. 74-75 R-Phase 02 no disc insulator flashed due to birdage .
57	132 KV Moga- Panjgrain Kalan	31.5	20-04-2020	02:48	20-04-2020	15:57	13:09	YB-Φ DPR Z1 14.9 KM	Breaker not installed.	Disc String Faulty on Y- Phase of Tower No. 272 & 279.

196

58	132 KV Moga- Panjgrain Kalan	31.5	20-04-2020	18:12	20-04-2020	21:13	3:01	BN-Φ DPR Z1 27.254 KM	Breaker not installed.	Transient Fault Line Charged on Mag of TL Muk.
59	132 KV Moga- Panjgrain Kalan	31.5	24-04-2020	02:43	24-04-2020	18:25	15:42	BN-Φ DPR Z1 10.09 KM	Breaker not installed.	Disc String Faulty on B- Phase of Tower No. 270 & Y-Phase of Tower No.252.
60	132KV Batala-Dharhwal Ckt-1	19.000	26-04-2020	15:58	26-04-2020	16:40	0:42	Master Trip,86	O/C, Red Phase 86 Master Trip	Due to Heavy Wind Storm and Rain
61	132KV Gurdaspur - Dharhwal Ckt-1	16.000	26-04-2020	15:58	26-04-2020	16:14	0:16	F, Master Trip,	Breaker Not Tripped	Due to Tripping of 132KV Batala End.
62	132KV Gurdaspur - Dharhwal Ckt-2	16.000	26-04-2020	15:58	26-04-2020	16:14	0:16	F, Master Trip,	Breaker Not Tripped	Due to Tripping of 132KV Batala End.
63	132KV Gurdaspur- Sarna Ckt-1	30.000	26-04-2020	15:58	26-04-2020	16:11	0:13	Master Trip, E/F	Breaker Not Tripped	Due to Tripping of 132KV Dharhwal End.
64	220Kv BBMB JAL.- Alawalpur	13.407	28-04-20	5:53	28-04-20	13:32	07:39	Dpr, YN,Z- 1,FI-9.444Km	Dpr, YN,Z-1,FI- 4.238Km	The disc Insulators of Y phase at Tw no.257 were found flashed due to which line was tripped and same were replaced with new disc Insulators.
65	132KV TarnTaran- Verpal	14.480	29-04-2020	10:03	29-04-2020	10:30	0:27	Phase E/F, DM	Blue phase O/C, highset, Zone-1	Due to some transient fault
66	132 KV Moga- Panjgrain Kalan	31.5	29-04-2020	02:44	29-04-2020	03:07	0:23	R-Φ DPR E/F Z1 19.112 KM	Breaker not installed.	Transient Fault
67	132 KV Sarainaga- Moga Line	25	29-04-2020	6:20	29-04-2020	6:42	0:22	O/C+E/F,Y- Phase, Z-2, D=48.56 KM	Line isolator controlled (at kpp-2 end)	Transient Fault
68	220KV Udoke-Verpal	40.525	02-05-2020	22:34	02-05-2020	23:41	1:07	Dir, O/C, Blue Phase Zone- 1	Breaker Not Tripped	Due to some transient fault
69	220KV Verpal- BalaChak Ckt-1	1.972	02-05-2020	22:34	03-05-2020	0:46	2:12	86	*****	Due to some transient fault
70	220KV Verpal-Patti	37.62	02-05-2020	22:34	03-05-2020	2:10	3:36	AB Phase E/F	Dir, O/C,86	Due to some transient fault

197

13

71	132 KV Muktsar-Jalalabad Line	33	02-05-2020	23:32	03-05-2020	07:55	8:23	O/C+E/F,B-Phase, D=0.0 KM	Line is Isolator controlled	Take try after Removing the bird nest on tower No. 8 by AOTL
72	132 KV Ghulal - Jamaipur Ckt-1	21.000	02-05-2020	22:14	02-05-2020	23:30	1:16	Directional Earth Fault	Y Phase Z-2 E/F	Temporary fault occurred
73	132 KV Ghulal - Jamaipur Ckt-2	21.000	02-05-20	22:14	03-05-20	14:32	16:18	Directional Earth Fault	Y Phase Z-2 E/F	Temporary fault occurred due to flash over disc Insulators.
74	132 KV Swadhi - Jamaipur	38.000	02-05-2020	21:52	03-05-2020	3:45	5:53	YN Phase	Y Phase, Z-1 43.2 KM	Temporary fault occurred due to flash over disc Insulators.
75	132 KV Swadhi - Moga	42.000	02-05-2020	21:52	03-05-2019	8:15	10:23	BN Phase	BN Phase Z-1 30.6 KM	Y Phase Disc Flashed at Tower no 131
76	220 KV Sandhwan - Bajakhana Line	50	03-05-2020	16:39	03-05-2020	18:01	1:22	DPR Main-1 & 2 Starting Phase CAN, Tripped phase CN, Zone-none	DPR Main-2 operated R-phase	Due to heavily flow of wind & storm.
77	220 KV Moga - Baghapurana Ckt-1	10	03-05-2020	16:39	03-05-2020	18:22	1:43	Master Relay	Backup Protection Operated	Due to Damage of Y-φ Wavetrap (Half Portion Fell on ground) & B/D of R-φ Jumper at Baghapurana Ckt-2.
78	220 KV Baghapurana - Bajakhana Ckt-2	34.5	03-05-2020	16:39	03-05-2020	19:34	2:55	O/C+E/F Backup Protection Operated	Main-1 & 2 DPR-R-φ	Due to Heavy Storm in the region.
79	220KV Makhu - Dharmkot Ckt- 1 & 2	21.500	03-05-2020	16:39	03-05-2020	17:37	0:58	Power System Faulty	Not Trip	220 ky bus bar tripped
80	220 KV Moga - Baghapurana Ckt-2	10.00	03-05-2020	16:39	06-05-2020	19:43	75.4	Y-φ E/F & DPR Z1 0.468 KM	Backup Protection Operated	Due to Damage of Y-φ Wavetrap (Half Portion Fell on ground) & B/D of R-φ Jumper
81	132 KV Moga - Ghollan Kalan	15	03-05-2020	17:15	03-05-2020	18:23	1:08	E/F & DPR R-φ Z1 7.9 KM	ON	Due to Heavy Storm in the region.

198

82	132 KV Moga- Ghollan Kalan	15	03-05-2020	18:19	07-05-2020	20:20	97.01	DPR B-Φ Z1 2.8 KM	ON	132 KV Tower Collapsed near voliage singhawala.
83	132 KV Muktsar-Sarainaga Line	12.73	04-05-2020	0.55	04-05-2020	1.10	0:15	BPh, O/C, E/F	BPh, O/C, E/F	Transient Fault
84	132KV Mali-Mandi-GT Road	0.700	05-05-2020	13.01	05-05-2020	13.08	0.07	No indication		Due to some transient fault
85	132 KV Moga-Panigrain Kalan	31.5	05-05-2020	05:21	05-05-2020	05:42	0:21	R-Φ, DPR Z1 18.937 KM	Breaker not installed.	Transient Fault
86	132 KV Sarainaga-Moga Line	28.5	06-05-2020	18:32	06-05-2020	18:52	0:20	O/C+E/F,R-Phase,Z-1 D=25.01 KM	Line is Isolator controlled (atKotkapura-2 S/S)	Transient Fault
87	132KV Ferozpur-Faridkot Line	41	06-05-2020	18:15	06-05-2020	18:45	0:30	GN phase Zone -1, Location 25.4 km	Isolator controlled; No Breaker installed	Due to bad weather condition (Storm & rain)
88	132 KV Moga-Panigrain Kalan	31.5	07-05-2020	01:21	07-05-2020	01:40	0:19	Y-Φ, DPR Z1 22.738 KM	Breaker not installed.	Transient Fault
89	220Kv Jamsheer-Jadla	59.572	10-05-20	7.01	10-05-20	8.30	01:29	Dpr, YN,Z-1,FI-1,FI-19.2Km	Dpr, YN,Z-1,FI-30.16km	Due to Heavy Storm and lightning.
90	220 KV BAKHRA-MAHILPUR CKT NO.1	51.096	10-05-20	6.50	10-05-20	9.45	02:55	BREAKER NOT TRIPPED	O/C RYB PHASE	DUE TO HEAVY STORM BUS BAR SIDE 3 NO. POST INSULATOR BREAK
91	220 KV BAKHRA-MAHILPUR CKT NO.1	51.096	10-05-20	6.50	10-05-20	9.50	03:00	RYB PHASE ZONE 1ST	BREAKER NOT TRIPPED	DUE TO HEAVY STORM 220/132 KV 100 MVA T-5POWER T/F HV SIDE RED PHASE BUS BAR SIDE 3 NO. POST INSULATOR BREAK
92	220 KV MAHILPUR - REHANA JATTAN	26.708	10-05-20	6.50	10-05-20	9.40	02:50	BREAKER NOT TRIPPED	RYB PHASE E/F ZONE 1ST	DUE TO HEAVY STORM 220/132 KV 100 MVA T-5POWER T/F HV SIDE RED PHASE BUS BAR SIDE 3 NO. POST INSULATOR BREAK

199

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93	220 KV MAHILPUR-JAMSHER	47.375	10-05-20	6.50	10-05-20	9.30	02:40	R/Y/B PHASE	BREAKER NOT TRIPPED	DUE TO HEAVY STORM 220/132 KV 100 MVA T-5 POWER T/F HV SIDE RED PHASE BUS BAR SIDE 3 NO. POST INSULATOR BREAK
94	132KV Verka-Kathunangal	15.500	10-05-2020	6.40	10-05-2020	6.18	0.38	Dir, O/C, E/F		Due to Heavy Wind Storm and Rain
95	132KV Verka-Pakharpura	20.000	10-05-2020	6.40	10-05-2020	6.14	0.34	Dir, O/C, E/F		Due to Heavy Wind Storm and Rain
96	132KV Batala-Wadala Granthian Ckt-2	7.000	10-05-2020	5.40	10-05-2020	6.35	0.55	Dir, O/C, E/F, Master Trip 86	BREAKER Not Tripped	Due to Heavy Wind Storm and Rain
97	132KV Batala-Wadala Granthian Ckt-3	8.000	10-05-2020	5.40	10-05-2020	6.35	0.55	Dir, O/C, E/F, Master Trip 86	BREAKER Not Tripped	Due to Heavy Wind Storm and Rain
98	132KV Batala-Dharwal Ckt-1	19.000	10-05-2020	5.40	10-05-2020	6.50	1.10	Dir, O/C, E/F, Master Trip 86		Due to Heavy Wind Storm and Rain
99	132KV Batala-Dharwal Ckt-2	19.000	10-05-2020	5.40	10-05-2020	6.50	1.10	Dir, O/C, E/F, Master Trip 86		Due to Heavy Wind Storm and Rain
100	132KV Batala-Pakharpura	17.500	10-05-2020	5.40	10-05-2020	6.48	1.08	O/C, E/F, Master Trip Distance Protection		Due to Heavy Wind Storm and Rain
101	132KV Wadala Granthian-Batala Ckt-1	7.000	10-05-2020	5.40	10-05-2020	6.35	0.55	Dir, O/C, E/F	Dir, O/C, Inverse type	Due to Heavy Wind Storm and Rain
102	132 KV Mega-1 (Interlink Ckt-1)	7.5	10-05-2020	08:50	10-05-2020	09:09	0:19	R/Y/B- ϕ DPR Z1	ON	Transient Fault
103	132Kv Kartarpur-Beas	27.00	10-05-20	7.55	10-05-20	10.45	02:50	Dpr, ACN, Z-1	Not tripped	The disc insulators of R phase at Tw no.128 were found flashed due to which line was tripped and same were replaced with new disc insulators.

104	132 KV MAHILPUR-HOSHIARPUR CKT NO2	25.500	10-05-20	5.50	10-05-20	10-05-20	9.05	02:15	BREAKER NOT TRIPPED	E/F	DUE TO HEAVY STORM 220/132 KV 100 MVA T-5 POWER T/F HV SIDE RED PHASE BUS BAR SIDE 3 NO. POST INSULATOR BREAK AT 220 KV MAHILPUR END
105	132 KV Swadhi - Jamalpur	38.000	10-05-2020	8.40	10-05-2020	10-05-2020	13.57	5.17	BN- Phase, Z-1, 31.1 KM	YN -Phase, Z-1, 4.31 KM	Temporary fault occurred due to flash over disc insulators.
106	132 KV Swadhi - Moga	42.000	10-05-2020	8.50	10-05-2020	10-05-2020	9.25	0.35	Not Trip	Not Trip	Due to Tripping of 132 KV Singhawala -Moga Line
107	132 Kv Doraha - Bilaspur - Sihora	23.000	10-05-2020	9.40	10-05-2020	10-05-2020	9.58	0.18	E/F	Not Trip	Temporary fault occurred due to flash over disc insulators.
108	220 Kv Ajitwal - Moga	21.700	11-05-2020	23.45	11-05-2020	12-05-2020	2.35	2.50	Prot. Operate Z-1, RYB Phase, S 7	ON	Transient Fault
109	220 Kv Jagraon - Ajitwal	14.300	11-05-2020	23.45	11-05-2020	12-05-2020	10.47	11.02	Trip RYB Phase Z-1,2,3	RYB Phase, Prot. Operate	Temporary fault occurred due to flash over disc insulators.
110	220 KV Makhu-Dharmkot ckt-1	21.500	11-05-2020	23.11	11-05-2020	12-05-2020	0.12	1.01	Main -1 Operate B - Phase, 1.25 KM	Not Trip	Bus Bar No-2 Relay operate
111	220 KV Makhu-Dharmkot ckt-2	21.500	11-05-2020	23.11	11-05-2020	11-05-2020	23.51	0.40	Main -1 Operate, 86 KM	Not Trip	Bus Bar No-2 Relay operate
112	220 Kv G-1 - RTP Ckt-1	61.000	12-05-2020	1.05	12-05-2020	12-05-2020	3.10	2.05	R Phase, O/C	Not Trip	Transient fault, Supply Restore After the instruction of PC Patiala
113	220 Kv G-1 - Bassi Pathana	23.000	12-05-2020	1.05	12-05-2020	12-05-2020	3.17	2.12	REL-670, O/C, R Phase	ON	Transient fault, Supply Restore After the instruction of PC Patiala

201

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114	220 Kv Bassi Pathana- RTP	53.000	12-05-2020	1.05	12-05-2020	1.46	0.41	R Phase, Z-2 Trip 86	ON	Transient fault, Supply Restore After the instruction of PC Patiala
115	220 Kv Bassi Pathana- RTP	53.000	12-05-2020	2.01	12-05-2020	2.18	0.17	R Phase Z-2	ON	Transient fault, Supply Restore After the instruction of PC Patiala
116	220 KV Amlah - G-1	10.000	12-05-2020	2.00	12-05-2020	2.56	0.56	E/F, O/C	ON	Transient fault, Supply Restore After the instruction of PC Patiala
117	220 Kv G-1 - Rajpura Ckt-1	31.790	12-05-2020	1.05	13-05-2020	17.39	40.34	REL 670, RYB Phase Z- 1, Trip 86	Trhp	R Phase Limb Damage of Breaker
118	132 KV Ghulal- Shampur- Sehe	17.713	12-05-2020	4.20	12-05-2020	4.55	0.35	E/F	Not Trip	Transient fault, Supply Restore After the instruction of PC Patiala
119	132 KV Kolkapura- Muktair Line	28.4	13-05-2020	02:10	13-05-2020	02:24	0:14	O/C+EIF, Y Phase, D=62.65 KM	O/C+EIF, Y Phase, D=62.65 KM	Transient Fault
120	132 KV Kolkapura- Moga Line	34.6	13-05-2020	02:10	13-05-2020	02:24	0:14	O/C+EIF, Y Phase	Breaker not tripped	Transient Fault
121	132 Kv Ghulal - Chamkaur Sahib	29.000	15-05-2020	1.05	15-05-2020	1.25	0.20	E/F	E/F	Temporary fault occurred due to flash over disc insulators.
122	132 Kv Ghulal shampur- Sehe	17.71	15-05-2020	1.05	15-05-2020	1.30	0.25	E/F	E/F	Temporary fault occurred due to flash over disc insulators.
123	132 KV Muktar- Sarainaga Line	12.73	16-05-2020	4.02	16-05-2020	6.25	2:23	RPh, O/C, E/F	RPh, O/C	Transient Fault
124	132 KV Sarainaga- Moga Line	28.5	16-05-2020	05:55	16-05-2020	06:25	0:30	O/C+EIF, B Phase, Z-1 D=16.27 KM	Breaker not tripped	Transient Fault
125	132 KV Moga- Panjgrain Kalan	31.5	16-05-2020	03:14	16-05-2020	03:35	0:21	RY-φ, DPR Z1 14.502	Breaker not installed.	Transient Fault
126	132 KV Moga- Panjgrain Kalan	31.5	16-05-2020	05:57	16-05-2020	06:09	0:12	R-φ DPR Z2 50.99 KM	Breaker not installed.	Transient Fault

202

127	132 KV Muktsar-Jalalabad Line	33	17-05-2020	20:58	17-05-2020	21:09	0:11	O/C+E/F, B Phase D=0.0 KM	Line is Isolator Controlled	Transient Fault
128	132 KV Moga-Panjgrain Kalan	31.5	17-05-2020	02:06	17-05-2020	02:20	0:14	RY-φ DPR Z1 19.321 KM	Breaker not installed.	Transient Fault
129	132 KV Moga-Panjgrain Kalan	31.5	17-05-2020	05:14	17-05-2020	07:04	1:50	RN-φ DPR Z1 26.919 KM	Breaker not installed.	Transient Fault Line charged on msg of AEE/TL, Muktsar.
130	132 KV Moga-Panjgrain Kalan	31.5	18-05-2020	03:31	18-05-2020	03:47	0:16	B-φ DPR Z1 26.09 KM	Breaker not installed.	Transient Fault
131	132 KV Muktsar-Sarainaga Line	12.73	21-05-2020	2:05	21-05-2020	2:15	0:10	RPh, O/C, E/F	---	Transient Fault
132	132Kv Khara mandir-Sultanpur	12.00	21-05-20	5:22	21-05-20	5:27	00:05	Not tripped	Dpr, RN,Z-1	The disc Insulators of R phase at Tw no.49 were found flashed due to which line was tripped and same were replaced with new disc Insulators.
133	132KV Verpal-TarnTaran	14.480	22-05-2020	23:08	23-05-2020	5:19	6:11	E/F, Highset,86	B-Phase E/F, DMT Master Trip	Due to 132KV Breaker damaged of 132KV TarnTaran-Patti Line at TarnTaran end.
134	132KV TarnTaran-Patti	24.500	22-05-2020	23:02	02-06-2020	18:40	259:38	Blue Phase, Dir, O/C, E/F, 67B, 67N 86	.....	Due to 132KV Breaker damaged of 132KV TarnTaran-Patti Line at TarnTaran end.
135	132 KV S/S Ropar	33.935	22-05-2020	12:25	22-05-2020	15:42	03:17	L3,LJ Zone-1, 8.8 Km	RY-phase, Earth Fault zone-1, FT-1, master trip 23.00 Km	during patrolling found that line tripped due to stubble burning b/w span no 33-34
136	220KV Fatehgarh Churlian-Kotli Surat Malhi	22.000	23-05-2020	15:25	23-05-2020	15:57	0:32	Main-1 DPR Start Trip		Due to Some Transist fault in line

203

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137	220KV Kotli Surat Malhi-Wadala Granthlan	29.670	23-05-2020	15.25	23-05-2020	16.07	0.42	Main-1 Protection operated Auto Recloser	Main-1 any Trip	Due to Some Transisit fault in line
138	132Kv Pims-Science city	18.756	23-05-20	19.15	23-05-20	19.21	00:06	Not tripped.	Dpr, O/C Earthfault	During patrolling of this line it is found that illegal construction of building between tower span no.50- 51 and Clearance from line is maintained by removing first floor of that building and now line is cleared.
139	132 KV Ghulal- Jamalpur Cxt-2	21.000	23-05-2020	17.02	23-05-2020	17.43	0.41	Not Trip	Master Trip	Transient fault . Supply Restore After the instruction of PC Patiala
140	132 KV Ghulal- Jamalpur Cxt-1	21.000	23-05-2020	17.02	24-05-2020	16.15	23.13	E/F , O/C , B Phase	YNB Phase , Z-1 0.9 KM	Y Phase Conductor Breakdown of Gantry at Jamalpur End
141	132 KV nakkliyan Power house	1.365	23-05-2020	17.04	23-05-2020	17.40	00:36	Not Tripped	B-Phase,zone-1	Due to tripping of Nakkian. Ropar line
142	132 KV S/S Ropar	33.935	23-05-2020	17.04	23-05-2020	17.16	00:12	Not Tripped	CN-Phase,zone- 1, FT-1,	During patrolling from L.no 1-27 it found that safeda touched the conductor from 17 mtr in span.no 22-23
143	132 KV S/S Ropar	33.935	23-05-2020	17.22	23-05-2020	20.15	02:53	Not Tripped	BN-Phase,zone- 1, FT-1,33.6 Km	During patrolling from L.no 1-27 it found that safeda touched the conductor from 17 mtr in span no 22-23
144	132 KV Doraha- Bilaspur - Sihora	23.000	26-05-2020	21.27	26-05-2020	4.54	7.27	O/C , B Phase	Not Trip	B Phase CT Damage at Doraha End

204

145	132 KV Ferozpur- Mana Singh Wala	11.6	26-05-2020	12:37	26-05-2020	12:48	0:11	O/C Ip>2T, AB Phase	No tripping	Due to tripping of 132 kV Ferozshah Kotkaror Line & 66 kV Mallanwala line from 132 kV S/S, Ferozshah
146	132 kV Kotkaror- Ferozshah Line	18.5	26-05-2020	12:37	26-05-2020	13:02	0:25	O/C Highset RY Phase, EIF	O/C ABC Phase	Due to tripping of 66 kV Mallanwala Line at 132 kV S/S, Ferozshah
147	132KV Ferozshah- Mana Singh Wala Line	18.6	26-05-2020	12:35	26-05-2020	13:00	0:25	O/C AB Phase	No tripping	Due to tripping of 66 kV Mallanwala Line
148	132 KV NAWANSHAHAR- BANGA	14.000	26-05-20	0:35	26-05-20	1:16	00:41	RYB PHASE ZONE 2ND	BREAKER NOT TRIPPED	132 KV Y&B PHASE CT DAMAGED OF 132 KV BANGA-PHAGWARA LINE, AT 132 KV BANGA S/S/STN END
149	132 KV BANGA- PHAGWARA	20.000	26-05-20	0:35	26-05-20	1:25	00:50	Y&B PHASE	Y&B PHASE	132 KV Y&B PHASE CT DAMAGED OF 132 KV BANGA-PHAGWARA LINE AT 132 KV BANGA S/S/STN END
150	132 KV MAHILPUR- BANGA	27.800	26-05-20	0:35	26-05-20	1:25	00:50	RYB PHASE ZONE 2ND	BREAKER NOT TRIPPED	132 KV Y&B PHASE CT DAMAGED OF 132 KV BANGA-PHAGWARA LINE AT 132 KV BANGA S/S/STN END
151	220 KV Kotkaror - Sadiq Line	37.4	27-05-2020	12:45	27-05-2020	17:23	4:38	DPR Zone 2, RY&B phase	O/C RYB, DPR Zone 1, location 1.025 km	Transient Fault
152	220 KV Ferozpur Road - Lalton	18.486	28-05-2020	18:23	28-05-2020	19:30	1:07	Z-4, RYB Phase 6.3 KM	Not Trip	66 KV Earth Wire Broken at FZR Road S/S/STN Yard
153	220 KV Ferozpur Road - Ladawal	27.416	28-05-2020	18:23	28-05-2020	20:41	2:18	Z-1 RYB Phase 8.4 Km	Main 1 & 2 BC Phase Z-2	Temporary fault occurred due to flash over disc insulators.
154	220kv sunam-Bhalwan ckt no-1	29.18	28-05-2020	17:41	28-05-2020	18:56	01:15	DPR-2 Zone- 4 Rφ Dist/ 1/502km	Not Tripped	Due to heavy storm

205

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155	220kv sunam-Bhalwan ckt no-2	29.18	28-05-2020	17:41	28-05-2020	18:57	01:16	DPR-2 Zone- 4 Rφ DisV 1/654km	Not Tripped	Due to heavy storm
156	220kv sunam-Patran	35.66	28-05-2020	17:41	28-05-2020	23:42	06:01	DPR Main-1 & 2 RYB φ Zone-1	Main-1 RYB φ Zone-2 dist- 3/25km, Main-2 RB φ Zone-2 dist- 30/90km	Due to heavy storm
157	132 KV Balluana- Bathinda	19.15	28-05-2020	17:02	28-05-2020	18:30	1:26	R-phase O/C,Z-1, dpr distance 11.03km		strong winds
158	132 KV HOSHARPUR- CHOHAL	10.600	28-05-20	14:32	28-05-20	14:45	09:13	BREAKER NOT TRIPPED	O/C Y&B-PHASE	Transient Fault
159	132 KV HAMIRPUR- CHOHAL	66.650	28-05-20	14:32	28-05-20	14:45	09:13	BREAKER NOT TRIPPED	O/C B-PHASE	Transient Fault
160	132 KV HOSHARPUR- CHOHAL	10.600	28-05-20	14:32	28-05-20	14:45	09:13	BREAKER NOT TRIPPED	O/C Y&B-PHASE	Transient Fault
161	132 KV Saralnaga- Moga Line	28.5	30-05-2020	05:10	30-05-2020	05:24	0:14	O/C+E/F, B Phase,Z-1 D=18.65 KM	Breaker OFF	Transient Fault
162	132 KV NAWANSHAHAR- BANGA	14.000	30-05-20	17:10	30-05-20	19:10	02:00	R-PHASE ZONE 2ND	R-PHASE ZONE 2ND	Transient fault DUE TO STORM & HEAVY RAIN
163	132 KV BANGA- PHAGWARA	20.000	30-05-20	17:10	30-05-20	18:02	00:52	R-PHASE ZONE 2ND	BREAKER NOT TRIPPED	Transient fault DUE TO STORM & HEAVY RAIN
164	132 KV Ghulal- Samspur-Sehe	17.713	30-05-2020	18:55	30-05-2020	19:16	0:21	E/F Master Trip		Temporary fault occurred due to flash over disc insulators.
165	132 Kv Ghulal - Chamkaur Sahib	29.000	30-05-2020	18:55	30-05-2020	19:15	0:20	E/F, Master Trip		Temporary fault occurred due to flash over disc insulators.
166	132 KV Muktsar- Jalalabad Line	33	31-05-2020	23:17	31-05-2020	23:41	0:24	O/C+E/F, B Phase,Z- 1,D=12.7 KM	Line is Isolator Controlled	Transient Fault

206

167	132Kv Kapurthala- Science city	6.68	31-05-20	6.45	31-05-20	17.15	10:30	Not Tripped	Dpr, BN,Z-3	The disc Insulators of B phase and Y phase at Tw no.98 were found flashed due to which line was tripped and same were replaced with new disc Insulators.
168	132 KV Moga- Panjgrain Kalan	31.5	01-06-2020	23:31	01-06-2020	23:43	0:12	DPR YN-Φ Z- 1 22.161 KM	Breaker not installed.	Transient Fault
169	132 KV Moga-Dhaleke	14	01-06-2020	04:30	01-06-2020	14:05	9:35	DPR B-Φ Z-1 10.3 KM	Breaker not installed at dhalleke.	Branch of free fallon between Tower No.:09 & 10, near Bukan wala Village.
170	132 kv Muktsar- Jalalabad Line	33	01-06-2020	04:52	01-06-2020	14:55	10:03	O/C+E/F, B Phase Z- 1,D=12.7 KM	Line Is Isolator Controlled	Transient Fault
171	132 KV Moga-1- Jamaipur Line	75	02-06-2020	20:32	05-06-2020	13:41	65:09	DPR R-Φ Z1 29.9 KM	OFF	Transient Fault Patrolling Between Tower No. 110 To 132 by AOTL Ludhiana. Line Charged on Msg of AOTL Ludhiana.
172	132 KV Sarainaga- Muktsar Line	12.73	02-06-2020	01:02	02-06-2020	01:07	0:05	E/F & Master Relay	Breaker not tripped	Transient Fault Try Taken after the permission of PC Patiala
173	132 KV Sarainaga- Muktsar Line	12.73	02-06-2020	03:08	02-06-2020	15:15	12:07	E/F & Master Relay	Breaker not tripped	after patrolling the yard at 5:00 ,02 no tower of Sarainaga line jumper burn on B Phase
174	132 KV Sarainaga- Moga Line	28.5	03-06-2020	13:34	03-06-2020	13:52	0:18	O/C+E/F, R&B Phase,Z- 1,D=42.06 KM	Line is isolator controlled	Transient Fault ,Take try with the permission of SSE and PC Patiala
175	132kv Choahal- Hoshiarpur	10.600	03-06-20	17:40	03-06-20	19:25	25:45	BREAKER OPEN	O/C BLUE PHASE	B-PHASE 132 KV CT DAMAGED AT 132 KV CHOHAL END

207

176	132 KV HAMIRPUR-CHOHAL	66.650	03-06-20	17.40	03-06-20	20.25	02:45	BREAKER NOT TRIPPED	E/F	B-PHASE 132 KV CT DAMAGED AT 132 KV CHOHAL END
177	220 KV Muktsar-Ghubaya Line	40.304	04-06-2020	15:53	04-06-2020	19:20	3:27	Over current Earthfault, Zone-2, FL-current operated FL-35.5KM	Y-B Phase tripped, Over current DPR operated FL-2.2KM, Zone-1	Transient Fault
178	132KV Verpal-Mal Mandi	11.650	04-06-2020	0:51	04-06-2020	1:06	0:15	E/F, Master Trip	Breaker Not Tripped	Due to some transient fault
179	132kv Verpal Hakimagate Ckt.2	9.940	04-06-2020	19:01	04-06-2020	23:40	4:39	High Set B Phase E/F	DPR TN Master Trip 86	Due Heavy wind storm
180	132 KV Moga-Panjrain Kalan	31.5	04-06-2020	03:03	04-06-2020	03:15	0:12	DPR YN-Φ Z-1 12.337 KM	Breaker not installed.	Transient Fault
181	132 KV Sarainaga-Moga Line	28.5	04-06-2020	18:46	04-06-2020	18:58	0:12	O/C+E/F, Y Phase,Z-1, D=31.31 KM	Line is isolator controlled	Transient Fault, Take try with the permission of SSE
182	132KV Batala Pakharpura	17.600	06-06-2020	8:05	06-06-2020	8:16	0:10	Dir O/C E/F Master Trip 86	Breaker Not Tripped	Due Heavy wind storm
183	132KV Verka Pakharpura	20.000	06-06-2020	8:05	06-06-2020	8:26	0:21	Dir O/C E/F Master Trip 86	Breaker Not Tripped	Due Heavy wind storm
184	132 KV Moga-Interlink Ckt-01	7.5	06-06-2020	13:22	06-06-2020	13:42	0:20	B-Φ O/C+E/F	ON	Transient Fault
185	132 KV Moga-1-Dhalleke Dharmkot Line	16	06-06-2020	13:22	06-06-2020	13:30	0:08	O/C+E/F	ON	Transient Fault
186	132 KV Moga-Panjrain Kalan	31.5	07-06-2020	02:55	07-06-2020	03:05	0:10	DPR BN-Φ Z1 18.511 KM	Breaker not installed.	Transient Fault
187	132KV Verpal-Mal Mandi	11.650	08-06-2020	10:10	08-06-2020	10:24	0:14	E/F Highset	Breaker Not Tripped	Due to some transient fault
188	132kv Verpal-Hakima Gate Ckt.1	9.940	11-06-2020	21:20	11-06-2020	21:47	0:22	h Set R Phase	Y Phase Zone 1	Due to some transient fault
189	132kv Verpal-Hakima Gate Ckt.2	9.940	11-06-2020	21:20	11-06-2020	23:01	1:41	Set Y Phase D	Y Phase Master Trip 86	Due to some transient fault
190	132kv Verpal-Hakima Gate Ckt.1	9.940	12-06-2020	14:01	12-06-2020	14:24	0:23	h Set Phase 6	Breaker Not Tripped	Due Heavy wind storm

191	132 KV Moga-Panjgrain Kalan	31.5	12-06-2020	21:51	12-06-2020	22:21	0:30	DPR BN-Φ Z1 22.093 KM	Breaker not installed.	Transient Fault
192	220 Kv Sahnewal - Ghulal	21.188	13-06-2020	12.02	13-06-2020	12.48	0.46	Bus Bar Protection Operate	On	220 kv Bus Bar 1&2 Tripped
193	220 Kv Gaunsgarh - RTP	77.071	13-06-2020	12.02	13-06-2020	13.07	1.05	General Trip, Zone-1, B, 1, B-Phase	General Trip, Zone-1, B, 1, B-Phase	Temporary fault occurred due to flash over disc insulators.
194	132kv Batala-Dhariwal Ckt 1	19.000	13-06-2020	14.22	13-06-2020	14.55	0.33	O/C EF	Breaker Not Tripped	Due to some transient fault
195	132kv Batala-Dhariwal Ckt 2	19.000	13-06-2020	14.22	13-06-2020	14.55	0.33	O/C EF	Breaker Not Tripped	Due to some transient fault
196	132kv Kangra Mimoon	83.000	13-06-2020	14.50	13-06-2020	15.10	0.20	O/C EF	Breaker Not Tripped	Due Heavy wind storm
197	132kv Kangra Mimoon	83.000	13-06-2020	15.58	13-06-2020	16.03	0.05	O/C EF	Breaker Not Tripped	Due Heavy wind storm
198	132kv Pathankot Sarna Ckt.2	7.00	13-06-2020	14.50	13-06-2020	15.10	0.20	O/C Y Phase Z	Breaker Not Tripped	Due to Heavy wind storm and Tree fall on 132kv Sarna Gurdaspur line
199	132kv Gurdaspur Sarna ckt. 2	30.000	13-06-2020	14.50	14-06-2020	0.15	9.25	Razoa STN Z-2	*****	Due to Heavy wind storm and Tree fall on 132kv Sarna Gurdaspur line
200	132kv Gurdaspur Sarna ckt. 2	30.000	13-06-2020	14.25	13-06-2020	14.35	0.10	Razoa STN Z-2	No indication	Due to some transient fault
201	132 KV Moga-Panjgrain Kalan	31.5	13-06-2020	17:04	13-06-2020	17:12	0:08	DPR BN-Φ Z1 12.423 KM	Breaker not installed.	Transient Fault
202	132 KV Ghulal-Shamaspur- Seh	17.713	13-06-2020	12.25	13-06-2020	20.02	7.37	Distanca E/F		Earth Breakdown Between Tower No 45 to 50
203	132 KV Muktsar Link Ckt-1	1.6	14-06-2020	22:20	14-06-2020	22:45	0:25	O/C+EF, B Phase, D=3.4 KM	Breaker not tripped	Due to Breakdown of 132 kv Saralnaga line and Take try with the permission of SSE

R

209

204	132 KV Muktsar Link Ckt-2	1.6	14-06-2020	22:20	14-06-2020	22:48	0:28	O/C+E/F, B Phase, D=3.4 KM	Breaker not tripped	Due to Breakdown of 132 KV Sarainaga line and Take try with the permission of SSE
205	132 KV Muktsar- Sarainaga Line	12.73	14-06-2020	22:20	15-06-2020	14:15	15:55	BPh, O/C, E/F	-	BREAKDOWN OF B-Ph CONDUCTOR BW TOWER NO. 489 TO 490.
206	132 KV Kotkapura 1- Muktsar Line	28.4	14-06-2020	22:20	14-06-2020	22:54	0:34	O/C+E/F, B Phase, Z- 3, D=32.26 KM	Breaker not tripped	Transient Fault Take try with the permission of SSE
207	1321 KV Kotkapura- Moga Line	47.1	14-06-2020	22:20	14-06-2020	22:38	0:18	O/C+E/F, B Phase	Breaker not tripped	Transient Fault , Take try with the permission of SSE
208	220 kv Himmatpura - Badhnl kalan	18.48	18-06-2020	18:58	19-06-2020	12:09	17:13	Main - 1&2, RYB- Phase, LBB Operate, Bus Bar Protection Z- 1 R-Phase, Z- 2 R-Phase	LBB Protection- 1, Auto reclose, LBB Protection OPCD	Mal functioning of relay
209	132kv Patti - Bhikhwind	19.37	18-06-2020	19:25	20-06-2020	19:23	47:58	rectional O/c	*****	Due to conductor Broken Between tower 27-28
210	220kv Civil Line Fatehgarh Churian	19.466	19-06-2020	17:40	19-06-2020	22:53	5:13	RYB Phasse Zone 2	Main1 Protection Failure Dir E/F	At civil Line End wave Trap Caught Fire
211	220kv Wadala Grantian Fateh Garh Churian	33.480	19-06-2020	17:10	19-06-2020	19:02	1:52	Main 1. ABC Trip Auto Reclose 186 A 186B E/F	Main2 RN T970 T971 T973 Dir Protection Operated	Due to Heavy wind storm
212	220kv KSM WG	29.670	19-06-2020	17:09	19-06-2020	18:22	1:13	Dir O/C Backup Master Trip 86	Breaker not tripped	Due to Heavy wind storm

210

213	132 KV Muktsar-Jalalabad Line	33	19-06-2020	03:55	19-06-2020	04:05	0:10	O/C+E/F, R&Y Phase, Z-1, D=26.3 KM	Line is isolator controlled	Transient Fault , Take try with the permission of SSE
214	132 KV Sarainaga-Moga Line	28.5	19-06-2020	05:20	19-06-2020	05:30	0:10	O/C+E/F, R&Y Phase, Z-1, D=24.93 KM	Line is isolator controlled	Transient Fault Take try with the permission of SSE
215	132 KV MAHILPUR-HOSHARPUR CKT NO2	25.500	19-06-20	18:08	19-06-20	19:59	01:51	B-PHASE E/F	O/C B-PHASE ZONE 1ST	(Flash over temporary fault) DUE TO STORM & HEAVY RAIN
216	132KV KOT KAROR LINE	18.6	19-06-2020	15:50	19-06-2020	16:20	0:30	L2T IP>2T	No tripping	Due to overload
217	132Kv BBMB JAL-Dhilwan	37.000	19-06-20	17:50	19-06-20	15:22	21:32	Dpr, BN,Z-1, Fl-14.59km	Not tripped	The disc insulators of B phase at Tw no.256 were found flashed due to which line was tripped and same were replaced with new disc insulators.
218	132Kv Focal point-Kartarpur	12.00	19-06-20	17:50,	19-06-20	15:05	21:15	Dpr, RN,Z-2, Fl-8.6km	Dpr, RN,Z-1	The disc insulators of R phase at Dead end Tw no.55/6 were found flashed and also breakdown of earthwire is found between tw no.55/5-55/6 due to which line was tripped and same were replaced with new disc insulators.
219	132Kv Khera mandir-Sultanpur	12.00	19-06-20	18.10,	19-06-20	19:38	01:28	Dpr, YN,Z-1	Breaker Tripped.	The disc insulators of Y phase at Tw no.48 were found flashed due to which line was tripped and same were replaced with new disc insulators.

220	132 KV BHOGPUR-HOSHIARPUR	27.087	19-06-20	17.40	19-06-20	19.05	01:25	B-PHASE ZONE 1ST	B-PHASE E/F	(Flash over temporary fault & transient fault) DUE TO STORM & HEAVY RAIN
221	132 KV MAHILPUR-HOSHIARPUR CKT NO2	25.500	19-06-20	18.08	19-06-20	19.59	01:51	B-PHASE E/F	O/C B-PHASE ZONE 1ST	(Flash over temporary fault & transient fault) DUE TO STORM & HEAVY RAIN
222	132 kv HAMIRPUR-CHOKHAL	66.650	20-06-20	21.04	20-06-20	21.30	00:26	BREAKER NOT TRIPPED	Y-PHASE ZONE 1,2,3&4TH	(Flash over temporary fault & transient fault) LINE CHARGE FROM HAMIRPUR END
223	220 Kv Sahnewal - Railway ckt-2	3.5	21-06-2020	23.26	22-06-2020	0.12	0.46	Zone-1 &2, BRC,G-Trip,67A,67C	Not Trip	Due to heavy Storm
224	132kv Patti - Bhikhiwind	19.37	21-06-2020	18.05	21-06-2020	19.46	1.14	Dir o/c E/F Master Trip 85 RB Phase 67N	*****	Due to Heavy wind storm
225	132kv Gurdaspur Dharwal Ckt.1	16.00	21-06-2020	21.13	22-06-2020	8.40	11.27	Dir E/F Master Trip 86 DPR Razaia Operated	Breaker Not Tripped	Due to Heavy wind storm Tree Fall between tower No. 656 & 657
226	132kv Gurdaspur Dharwal Ckt.2	16.00	21-06-2020	21.13	21-06-2020	23.40	2.27	Razoa TN Zone	Breaker Not Tripped	Due to Heavy wind storm Tree Fall between tower No. 656 & 657
227	132kv Batala Dharwal Ckt 1	19.00	21-06-2020	22.20	22-06-2020	6.35	8.15	F Master Trip	Breaker Not Tripped	Due to Heavy wind storm
228	132kv Batala Dharwal Ckt 1	19.00	21-06-2020	22.20	22-06-2020	6.35	8.15	DPR L1 B Phase E/F Master Trip 86	Breaker Not Tripped	Due to Heavy wind storm
229	132 KV Muktsar-Sarainaga Line	12.73	21-06-2020	20.32	21-06-2020	22.50	1:18	RPh, O/C, E/F	RPh, O/C, E/F	Transient Fault
230	132 KV Mukatsar Link Ckt-1	1.6	21-06-2020	0.46	21-06-2020	1.35	0:49	R & Y Ph, O/C, Z-3	R & Y Ph, O/C, E/F, Z-4	Transient Fault

Sl. No.	132 KV Mukatsar Link Ckt-2	1.6	21-06-2020	0.46	21-06-2020	1.14	0:28	E/F	Remarks	Transient Fault, TAKE TRY AFTER CONSULT WITH SSE AND PC PATIALA
231	132 KV Mukatsar Link Ckt-2	1.6	21-06-2020	0.46	21-06-2020	1.14	0:28	-	-	Transient Fault, TAKE TRY AFTER CONSULT WITH SSE AND PC PATIALA
232	132 KV Kotkapura 1- Muktsar Line	28.4	21-06-2020	00:46	21-06-2020	01:57	1:11	O/C+E/F, R-Phase,Z-3,D=39.06 KM	.....	Transient Fault Take try with the permission of PC Patiala
233	132Kv BBMB JAL.- Dhihwan	37.00	21-06-20	20:57	21-06-20	21:31	00:34	Dpr,CN,Z-1,FI=10.72Km	Not Tripped	The disc Insulators of B phase at Tw no.37A were found flashed due to which line was tripped and same were replaced with new disc insulators.
234	132Kv Focal point- Kartarpur	12.00	21-06-20	21:12	21-06-20	22:47	01:35	Dpr, BN,Z-1,FI=2.2km	Dpr, BN,Z-2	Due to heavy storm and lightning.
235	132Kv Pims-Science city	18.76	21-06-20	21:12	21-06-20	22:40	01:28	Not Tripped	Dpr, B phase,Z-1,FI=8.4Km	The disc Insulators of B phase at Tw no.61 were found flashed due to which line was tripped and same were replaced with new disc insulators.
236	132kv Wadala Granthian Sh. Hargibindpur Ckt.1	25.04	22-06-2020	4.43	22-06-2020	6.19	1.35	Razoa RTN Zone	.....	132kv C/Bnk B Phase Conductor Fall on Bus Bar no. 2
237	132kv Wadala Granthian Sh. Hargibindpur Ckt.2	25.04	22-06-2020	4.43	22-06-2020	6.20	1.37	DPR Razo RSTN Zone 234	.....	132kv C/Bnk B Phase Conductor Fall on Bus Bar no. 2
238	132kv Wadala Granthian Batala ckt 1	7.00	22-06-2020	4.43	22-06-2020	6.12	1.29	E/F Master Tripping	Numerical Relay L1 Master trip 86	132kv C/Bnk B Phase Conductor Fall on Bus Bar no. 2
239	132kv Wadala Granthian Batala ckt 2	8.00	22-06-2020	4.43	22-06-2020	6.13	1.30	E/F Master Tripping	Numerical Relay L1 Master trip 86	132kv C/Bnk B Phase Conductor Fall on Bus Bar no. 2
240	132 KV Moga- Panjgrain Kalan	31.5	23-06-2020	03:34	23-06-2020	03:46	0:12	DPR RN-Φ Z1 11.465 KM	Breaker not installed.	Transient Fault

223

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241	132 KV Moga- Panjgrain Kalan	31.5	23-06-2020	06:56	23-06-2020	08:40	1:44	DPR RN-Φ Z1 6.067 KM	Breaker not installed.	Transient Fault Line Charged on Misg of AOTL Muktsar.
242	132 KV Saralnaga- Moga Line	28.5	25-06-2020	10:05	25-06-2020	10:13	0:08	O/C+E/F, R Phase Z-1, D=41.26 KM	Line is Isolator controlled	Transient Fault Take try with the permission of SSE
243	132 KV Bilaspur - Sihora	13.494	25-06-2020	18.15	25-06-2020	18:45	0:30	E/F, O/C, Trip 86	Trip	Due to tripping of 11 kv Lassala feeder
244	132 KV Moga - Panjgrain Kalan	31.5	26-06-2020	22:39	26-06-2020	22:44	0:05	DPR RN-Φ Z1 9.923 KM	Breaker not installed.	Transient Fault
245	132 kv Muktsar- Saralnaga Line	12.73	26-06-2020	12.02	26-06-2020	12.53	0:51	BPh, O/C, E/F	BPh, Z-1, 4.09 KM	Transient Fault
246	132kv Pathankot Kangra Ckt 2	89.00	28-06-2020	21.30	29-06-2020	10.05	12.35	F Master Trip	.....	Conductor Broken Due to Heavy wind storm
247	132kv pathankot Sarna Ckt.1	7.00	28-06-2020	21.30	28-06-2020	21.50	0.20	Master Trip 86	.....	Conductor Broken Due to Heavy wind storm
248	132 KV NAKKIAN- NAWANSHAHAR CKT.NO.1	80.271	28-06-20	23.35	28-06-20	2.02	02:27	DPT RELAY	BREAKER NOT TRIPPED	132 KV BLUE PHASE LA OF 132 KV BUS BAR DAMAGED (DUE TO BAD WEATHER & HEAVY LIGHTNING, STORM & RAIN)
249	132 KV NAKKIAN- NAWANSHAHAR CKT.NO.2	57.997	28-06-20	23.35	28-06-20	2.03	02:28	RYB PHASE ZONE 1ST	BREAKER NOT TRIPPED	132 KV BLUE PHASE LA OF 132 KV BUS BAR DAMAGED (DUE TO BAD WEATHER & HEAVY LIGHTNING, STORM & RAIN)
250	132 KV NAWANSHAHAR- GORYA	32.080	28-06-20	23.25	28-06-20	1.55	02:30	B - PHASE ZONE 1ST	B - PHASE ZONE 1ST	132 KV BLUE PHASE LA OF 132 KV BUS BAR DAMAGED (DUE TO BAD WEATHER & HEAVY LIGHTNING, STORM & RAIN)
251	220 kv Bhart- Ganguwal	68.023	29-06-2020	0.17	29-06-2020	1.51	1.34	DPR, Main- 2, Directional E/F, O/C, 67/67 N	DPR, Main-1, REL 670, DPR, Main- 2, MR 3VG, 38F, 38A, PC- 1, PC-85, 86	Temporary fault occurred due to flash over disc insulators.

214

252	220 kv G-2 -Ganguwal	74.000	29-06-2020	0.20	29-06-2020	21.18	20.58	DPR,R,YB-Phase,86	DPR,Main-2, ABC-Phase,Zone-2, E/F,86	Earth Breakdown between Tower No.-173 To 180
253	132kv Verka kathunangal	15.50	29-06-2020	1.40	29-06-2020	1.55	0.15	C E/F Master 1	Breaker Not Tripped	Due to Heavy wind Storm
254	132kv Batala kathunanagal	22.00	29-06-2020	1.40	29-06-2020	2.25	0.45	L 1 Pick Up E/F pick up Zone 1	Breaker Not Tripped	Due to Heavy wind Storm
255	132kv Wadala Granthian Sh. Hargibindpur Ckt.1	25.04	29-06-2020	3.48	29-06-2020	4.52	1.04	O/C E/F	*****	Due to 132kv Bus Coupler R Phase CT Damage
256	132kv Wadala Granthian Sh. Hargibindpur Ckt.2	25.04	29-06-2020	3.48	29-06-2020	4.53	1.05	O/C E/F	*****	Due to 132kv Bus Coupler R Phase CT Damage
257	132KV BBMB JAL.- Dhilwan	37.00	29-06-20	4.08	29-06-20	16.05	11:56	Dpr,RN,Z-1, FH 19.7K/m	Not Tripped	During heavy wind pressure a branch of Forest tree between tower span no. 215-216 fall on line side due to which line was tripped and same was cleared.
258	132 KV Ghulal- Shamaspur- Seh	17.713	29-06-2020	0.17	29-06-2020	1.33	1.16	Directional E/F		Temporary fault occurred due to flash over disc insulators.
259	132KV KOT KAROR LINE	18.6	30-06-2020	21:03	01-07-2020	19:25	22:22	O/C E/F B phase and Y Phase	O/C, E/F YB phase Highset	Line energised after breakdown attended by TL between Tower No. 126 & 127 of Blue phase
260	132 KV Sri Muktsar Sahib-Sarainaga Line	12.73	25-04-2020	7:20	25-04-2020	7:38	0:18	O/C+E/F, B-Phase	O/C+E/F, B-Phase, Z-1, D=5.961 KM	Transient Fault

Chief Engineer/P & M,
P.S.T.C.L., Ludhiana.

275

2

Detail of Tripping/Breakdown of Transmission lines affecting the power supply for the quarter ending Sep-2020.

Sr.No	Name of Transmission Line/Transformer	Length of the line KM	Tripping/Breakdown				Duration	Relay Indication		Cause of Tripping/breakdown
			Date	From	Date	To		1st End	2nd End	
1	132Kv BBMB JAL.-Dhiliwan	37.00	01-07-20	12.38	01.07.20	13.02	00:24	Dpr. CN,Z-1,FI-15.91km	Not tripped.	The disc Insulators of B phase at Tw no.254 were found flashed due to which line was tripped and same were replaced with new disc insulators.
2	132KV Mukatsar-Sarainaga Line	12.73	7/2/2020	11.46	7/2/2020	12.33	0:47	YPh, O/C, E/F	-	Transient Fault
3	132 KV GND TP-MES Cantt.	11.23	7/2/2020	20:54	7/3/2020	11:35	14:41	DPR BN-ph Z-2 FT1 Trip ABC	NA	132 KV CT damaged at MES Cantt. end.
4	132 KV Ferozshah-Kotkaror Line	18.6	7/2/2020	16:03	7/2/2020	16:06	00:03	O/C, E/F Blue phase	No tripping	Transient Fault
5	132kv Mahipur-Banga Line	27.800	02-07-20	21.45	2/7/2020	22.05	00:20	NO INDICATION	BREAKER NOT TRIPPED	(Flash over temporary fault & transient fault)
6	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/3/2020	2:50	7/3/2020	3:05	0:15	O/C+E/F, B Phase,Z-1,D=18.79 Km	Isolator controlled at 132 kv KKP-2 end	Transient Fault
7	220KV Wadala Granthian-Kotli Surat Malhi	29.670	7/4/2020	20:01	4.7.20	21.50	01:49	Main-1 186A, 186B Any trip Zone-1&2	Breaker No Tripped	Due to Heavy wind Storm and rain
8	220KV Fatehgarh Churian -Kotli Surat Malhi	22.000	7/4/2020	20:01	4.7.20	22.06	02:05	Main-1 Trip	Breaker No Tripped	Due to Heavy wind Storm and rain
9	132KV Verka-Pakharpara	20.000	7/4/2020	19:40	4.7.20	20.10	00:30	Dir, O/C E/F 85 67N	Breaker not tripped	Due to Heavy wind Storm and rain
10	132KV Kathunangal-Verka	15.500	7/4/2020	19:45	4.7.20	21.25	01:40	O/C, E/F B Phase N, Master Trip	Directional O/C E/F, 67	Due to Heavy wind Storm and rain
11	220 KV Sandhwan-Shri Muktsar Sahib Line	38	7/4/2020	22:27	7/4/2020	23:00	0:33	DPR Main -I&II, Zone -I, Starting phase CN, tripped phase C, fault location 379.2 mtr		Due to storm & heavy flow of wind. Try was taken after concerning with SSE.
12	220 KV Sadiq-Ferozepur Line	37.70	7/4/2020	21:53	7/4/2020	23:01	01:08	DPR Main operated, Fault Location 38.1 km, carrier received auto-re-close blocked: Main-II, BN Phase, Zone-II location 45.20 km	No tripping	Due to bad weather conditions; Line energized after clearance certificate given by AO TL Mastawal.
13	220 KV Sadiq-Moga Line	70.5	7/4/2020	21:55	7/5/2020	19.15	21:20	O/C Y-Phase, DPR Zone-1		Due to breakdown of conductor from Y-Phase Wave Trap
14	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/4/2020	20:35	7/4/2020	20:45	0:10	O/C+E/F, R Phase,Z-1,D=25.09 Km		Transient Fault

15	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/4/2020	22:20	7/4/2020	22:35	0:15	O/C+E/F, R Phase, Z-1, D=24.90 Km	Transient Fault
16	132 KV Moga- Panigrain Kelan	31.5	04-07-2020	18:51	04-07-2020	19:07	0:17	DPR BN-φ Z-1 26.144 KM	Transient Fault
17	132 KV Moga- Panigrain Kelan	31.5	04-07-2020	20:53	04-07-2020	21:52	0:28	DPR BN-φ Z-1 11.211 KM	Heavy Storm & Bad weather
18	132 KV Moga- Sosan	19.5	04-07-2020	20:54	04-07-2020	21:53	00:59	DPR YN-φ Z2 22.149 KM	Heavy Storm & Bad weather
19	132 KV Sosan-Kotkaror Line	8.2	04-07-2020	20:52	05-07-2020	10:29	13:37	O/C+E/F & DPR B-φ Z2 7.8 KM	Earth Brekedown between Tower No. 94 & 95, Heavy Storm & Bad weather
20	220 kv Amlah -G-1	10.000	7/4/2020	22:56	4.7.2020	23:23	00:27	O/C, E/F	Due to 66 kv Bhadso & Vimal Alloy Line
21	220 kv Amlah -Malerkolla	43.000	7/4/2020	22:56	4.7.2020	23:51	00:55	O/C, E/F	Due to 66 kv Bhadso & Vimal Alloy Line
22	220 kv Ajitwal-PGCIL Moga	21.700	7/4/2020	21:20	5.7.2020	14:10	16:50	Zone-1, R-Phase, 86	Temporary fault occurred due to flash over disc insulators.
23	132 KV Moga-Sosan line	19.532	7/4/2020	22:52	05.07.2020	13:36	14:44	Y-ph O/C+E/F	Y-Phase jumper broken at Tower no. 54 due to heavy storm and bad weather
24	132Kv Khera mandir-Sullanpur	12.00	04-07-20	20:20	04.07.20	22:30	02:10	Not tripped.	The disc Insulators of Y phase at Tw no.42 were found flashed due to which line was tripped and same were replaced with new disc insulators.
25	132Kv Kapurthala-RCF	8.00	04-07-20	20:30	04.07.20	23:20	02:50	Dpr, YN	Due to heavy storm and lightning.
26	132kv MPH2-Tanda Line	50.000	04-07-20	20:22	5/7/2020	12:45	15:23	BREAKER NOT TRIPPED	R-phase jumper breakdown at tower no 71/11
27	132kv Tanda-Bhogpur Line	26.000	04-07-20	20:22	4/7/2020	22:01	01:39	BREAKER NOT TRIPPED	Due to Jurrk of 132KV MPH2-Tanda Line
28	132 KV BHOGPUR-HOSHARPUR	27.087	04-07-20	23:20	04/07/2020	0:30	01:10	BREAKER NOT TRIPPED	Y-PHASE 132 KV PT BUS BAR DAMAGED AT 132 KV BHOGPUR END
29	220KV Patran Banwala Ckt-1	39.20	7/4/2020	5:09	04.07.2020	8:15	03:06	RYB Phase O/C, Zone-4, R-10.86, B-7.85, C-10.68, SOFT	Due to L & E switch of 220KV Patran-banwala Ckt-2 comes in induction zone because of strong wind
30	220KV Patran Banwala Ckt-2 A4	39.20	7/4/2020	5:09	04.07.2020	8:16	03:07	RYB Phase, Zone-1, Dist. 24.24Mtr., R-10.711, B-8.85, C-11.21KAMP, B-10.44, SOFT	Due to L & E switch of 220KV Patran-banwala Ckt-2 comes in induction zone because of strong wind
31	220 KV Patran-Sunam	35.60	7/4/2020	5:09	04.07.2020	6:09	01:00	O/C(RYB)Phase, zone-4, R-3.08Kamp, Y-524.Amp, B-21.4Amp	Due to L & E switch of 220KV Patran-banwala Ckt-2 comes in induction zone because of strong wind

227

32	220KV Patran-BANGA	16.30	7/4/2020	5:09	04.07.2020	6:05	00:56	O/C (RYB) Phase zone-4, R-3.84kmp, Y-702, Amp. 8-63Amp	No indication No Trip	Due to L & E switch of 220kv Patran-banwala CKT-2 comes in induction zone because of strong wind
33	132 KV Sarainaga -Moga (KKP2) Line	28.5	7/5/2020	3:25	7/5/2020	7:32	04:07	O/C+E/F, R Phase, D=25.25 Km		Transient Fault
34	132 KV Moga -Gholian Kalan	15	05-07-2020	2:41	05-07-2020	3:17	0:11	RN-φ Z1 6.0 KM	ON	Transient Fault
35	132 KV Moga -Gholian Kalan	15	05-07-2020	18:06	05-07-2020	18:25	0:12	YB-φ Z2 14.9 KM	ON	B-Phase jumper of LILO Tower No.03 Near Gholia S/S is damaged.
36	132 KV Gholian-Smadh Bhai	5.8	05-07-2020	18:06	05-07-2020	18:30	00:24	E/F	Breaker not installed.	B-Phase jumper of Moga-Gholia LILO Tower No.03 Near Gholia S/S is damaged.
37	132 KV Gholian-Smadh Bhai	5.8	05-07-2020	18:53	05-07-2020	19:03	00:10	E/F	Breaker not installed.	B-Phase jumper of Moga-Gholia LILO Tower No.03 Near Gholia S/S is damaged.
38	132 KV Sarainaga -Moga (KKP2) Line	28.5	7/6/2020	18:56	7/6/2020	19:03	00:07	O/C+E/F, R Phase, Z-1, D=16.92 Km		Transient Fault
39	132 KV Malout-Abohar	29.6	7/6/2020	11:03	7/6/2020	11:13	0:10	E/F R PH, Z-1, 13.35 KM	Breaker not available	Transient Fault
40	132 KV Moga- Panjgrain Kalan	31.5	06-07-2020	4:37	06-07-2020	4:50	0:37	DPR BN-φ Z-1 26.749 KM	Breaker not installed.	Transient Fault
41	132 KV Moga- Panjgrain Kalan	31.5	07-07-2020	3:03	07-07-2020	3:13	00:08	DPR RN-φ Z-1 20529 KM	Breaker not installed.	Transient Fault
42	132 KV Swadhi -Moga	42.000	7/7/2020	0:44	7.7.2020	12:08	11:25	RYB- Phase, Protection Operate, 86 Trip	RYB- Phase, E/F, O/C, 36.3 km	Temporary fault occurred due to flash over disc insulators.
43	132 KV Swadhi -Jamalpur	38.000	7/7/2020	0:44	7.7.2020	1:14	00:30	R- Phase, E/F, Zone-1, 1.7 km	R-Phase, Zone-2	Temporary fault occurred due to flash over disc insulators.
44	132 KV Pathankot -Mammon	6.000	7/10/2020	18:13	10.7.20	18:37	00:24	RY PHASE Z-1	Bkr. not tripped and no indication.	TREE FELL ON 132 KV PATHANKOT SARNA CKT NO-1, BETWEEN THE TOWER NO 511 & 512
45	132 KV PATHANKOT KANGRA CKT NO-2	89.000	7/10/2020	18:13	10.7.20	18:37	00:24	RY PHASE Z-1	Bkr. not tripped and no indication.	TREE FELL ON 132 KV PATHANKOT SARNA CKT NO-1, BETWEEN THE TOWER NO 511 & 512
46	132KV Pathankot -Sarna	7.000	7/10/2020	18:13	11.7.20	7:35	13:22	RYB Phase Master trip 86	RYB PHASE DPR ZONE-1, 86 Relay	Due to Tree Fall on Between Tower No. 518 -511
47	132Kv Pims-Science city	18.756,	10-07-20	20:25	10.07.20	21:20,	00:55	Not tripped	Dpr, BN, Z-2, FI-18.9km	Due to heavy storm and lightning.
48	220Kv Kofli Surat Malhi-Wadala Granthian	29.670	7/11/2020	23:52	12.7.20	9:27	09:35	Main 1 Any Trip ABC 186A 186B Zone 2 Main 2 RYB Phase SOFT Operated Zone 2	286A, 286B, 67N, E/F	Due to 220kv Kofli Surat Malhi Isolator Disc Break

228

49	220KV Fatehgarh Churian -Kotli Sural Malhi	22,000	7/11/2020	23:57	12.7.20	1.57	02:00	Distance protection Operated Star trip	Breaker No Tripped	Due to Heavy wind Storm and rain
50	220KV Algon kothi-Patti Ckt-1	20,500	7/11/2020	23:18	12.7.20	0.08	00:50	Zone-1 Red Phase	Breaker No Tripped	Due to Heavy wind Storm and rain
51	220KV Algon kothi-Patti Ckt-2	20,500	7/11/2020	23:18	12.7.20	0.05	00:47	86	Breaker No Tripped	Due to Heavy wind Storm and rain
52	132KV Verka-Kathuanagal	15,500	7/11/2020	23:35	12.7.20	2.05	02:41	Dir, O/C, E/F M/T	Breaker not tripped	Due to Heavy wind Storm and rain
53	132KV Batala-Kathunagal	22,000	7/11/2020	23:52	12.7.20	2.10	02:18	DPR L2 Pickup E/F	Breaker not tripped	Due to Heavy wind Storm and rain
54	132KV Batala-Wadala Granthian Ckt-3	8,000	7/11/2020	23:52	12.7.20	1.51	01:59	Pick up one 2 Dir, O/C E/F M/T L-2 Pickup E/F	Breaker not tripped	Due to Heavy wind Storm and rain
55	132KV Batala-Wadala Granthian Ckt-2	7,000	7/11/2020	23:55	12.7.20	1.49	01:54	Dir, O/C E/F L-2 Pickup E/F pickup	Breaker not tripped	Due to Heavy wind Storm and rain
56	132 KV Doraha-Bilaspur -Sihora	23,000	7/11/2020	8:22	11.7.2020	10.10	01:48	DPR, Razoa, Zone-1 & 3	Breaker not tripped	Due to Heavy wind Storm and rain
57	132 KV Saranaga -Moga (KKP2)Line	28.5	7/12/2020	0:35	7/12/2020	0:50	0:15	O/C+E/F, R Phase, Z-1, D=25.16 Km		Temporary fault occurred due to flash over disc insulators. Transient Fault
58	132 KV Saranaga -Moga (KKP2)Line	28.5	7/12/2020	21:15	7/12/2020	21:22	00:07	O/C+E/F B PHASE Z1, DPR D=18.75KM		Transient Fault
59	132 KV Sosan-Koikaror Line	8.2	12-07-2020	23:59	13-07-2020	0:56	00:57	DPR B-φ Z-1 4.6 KM	B-φ E/F	Transient Fault
60	132 KV Sosan-Moga Line	19.5	12-07-2020	23:59	13-07-2020	0:20	00:21	DPR B-φ O/C+E/F	ON	Due to 132 KV Sosan Koikaror Line
61	132 KV Muktsar-Jalalabad Line	33	7/13/2020	5:22	7/13/2020	5:39	0:17	O/C+E/F, RN Phase, Z-1, D=0.3 KM	Line is isolator controlled	Transient Fault try taken after concerned with SSE
62	132 KV Giddarbaha-Balluana	19	7/13/2020	2:32	7/13/2020	2:40	00:08	dpr z1 AN rph=6.546ka, yph=152.9 a, bph=166.8a 03ka, bph=0.05ka	popl ckt2	Due to popl ckt2 trip
63	132 KV Swachi -Jamaipur	38,000	7/13/2020	5:01	13.7.2020	5:23	00:22	Not Trip	Trip MICOM, ABF, Zone-1, 28km	Temporary fault occurred due to flash over disc insulators.
64	132 KV Mahipur-Hoshiarpur ckt-1	25,002	15-07-20	16:55	16/7/2020	17:45	24:05	O/C R-Phase, Zone-2.	BREAKER NOT TRIPPED	Due to 132/11 KV 12.5/16 MVAP- T/F T1 damage at Hoshiarpur end
65	132 KV Mahipur-Hoshiarpur ckt-2	25,500	15-07-20	16:55	16/7/2020	17:46	24:05	O/C R-Phase, Zone-2.	BREAKER NOT TRIPPED	Due to 132/11 KV 12.5/16 MVAP- T/F T1 damage at Hoshiarpur end
66	132KV Bhogpur-Hoshiarpur Line	27,087	15-07-20	16:55	15/7/2020	23:24	06:29	R-Phase, Zone-2.	BREAKER NOT TRIPPED	Due to 132/11 KV 12.5/16 MVAP- T/F T1 damage at Hoshiarpur end
67	132 kv Ghulal-Doraha	14,000	7/16/2020	17:47	16.7.2020	18:27	00:40	DPR, C-Phase, E/F Z-1, SSR3V	Not Trip	Temporary fault occurred due to flash over disc insulators.
68	132 kv Ghulal-Samaspur-Sehe	17,713	7/16/2020	17:47	16.7.2020	18:15	00:28	E/F, O/C, B-Phase	-	Temporary fault occurred due to flash over disc insulators.

279

69	132 KV Mukatsar -Kotkapura-1 Line	28.4	7/17/2020	23:07	7/17/2020	23:13	00:06	YPh, O/C, E/F	E/F	Transient Fault
70	132 KV Kotkapura-Moga Line	34.6	7/17/2020	23:07	7/17/2020	23:28	0:21	O/C+E/F, Y Phase, Z-1, D=38.7 KM	O/C+E/F, Y Phase, Z-1, D=38.7 KM	Transient Fault
71	132 KV Sarainaga-Muksar Line	12.73	7/17/2020	23:48	7/17/2020	23:58	0:10	O/C+E/F, B Phase, Z-1, D=3.141 KM	O/C+E/F, B Phase	Transient Fault
72	132 KV Moga- Panigrain Kalan	31.5	17-07-2020	7:42	17-07-2020	7:53	0:11	DPR Y-φ Z-1 11.465 KM	Breaker not installed.	Transient Fault
73	132 KV Kotkoror-Ferozeshah Line	18.6	7/17/2020	23:44	7/18/2020	0:14	00:30	O/C RYB Phase Highset	O/C B-Phase	Due to bad weather conditions. Try taken with permission of PC Patiala and AO TL-400 KV Mastewal
74	132 KV Ferozepur - Manna Singh Wala	11.6	7/17/2020	23:45	7/17/2020	0:05	00:20	O/C E/F, B-ph location 14.5 Km	O/C E/F	Due to bad Weather and Heavy Storm
75	132KV Mukatsar -Kotkapura-1 Line	28.4	7/18/2020	1:21	7/18/2020	1:39	0:18	YPh, O/C, E/F	E/F	Transient Fault
76	132 KV Kotkapura-Moga Line	34.6	7/18/2020	1:21	7/18/2020	12:45	11:24	O/C+E/F, Y Phase, Z-1, D=2.963 KM	O/C+E/F, Y Phase, Z-1, D=38.7 KM	Transient Fault, so try taken after clearance certificate given by AOTL
77	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/18/2020	4:03	7/18/2020	4:11	00:08	O/C+E/F B Phase, Z-1, D=43.85 KM	Line is isolator controlled	Transient Fault
78	220 KV Sandhwan-Shri Muktsar Sahib Line	38	7/19/2020	18:50	7/19/2020	19:32	0:42	DPR Main -I, ZONE -I, Starting phase CN, tripped phase C, fault location 330.7 mtr	B-phase Zone-I Main-I Prot. Optd.	due to storm & heavy flow of wind. Try was taken after concerning with SSE.
79	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/19/2020	18:48	7/19/2020	18:58	0:10	O/C+E/F R Phase, Z-1, D=25.47 KM	Line is isolator controlled	Transient Fault
80	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/19/2020	19:05	7/19/2020	19:20	0:15	O/C+E/F R Phase, Z-1, D=25.40 KM	Line is isolator controlled	Transient Fault
81	132 KV IGC- GNDTP Bathinda	16.76	7/19/2020	19:40	7/20/2020	13:40	18:0	No tripping	DPR B-Ph, Z-1, L=5.7 KM	A Tree fell on line near Govt. Polytechnic College Bathinda.
82	132 KV Moga- Panigrain Kalan	31.5	19-07-2020	17:46	19-07-2020	17:58	00:08	DPR R-φ Z1 6.109 KM	Breaker not installed.	Transient Fault
83	132 KV Moga- Panigrain Kalan	31.5	19-07-2020	20:29	19-07-2020	20:46	9:46	DPR Y-φ Z1 16.278 KM	Breaker not installed.	Bad weather
84	132 kv Ghulaj-Samaspur-Sehe	17.713	7/19/2020	10:45	19.7.2020	11:01	00:16	Directional E/F, B-Phase	-	Due to heavy storm & Rain
85	132KV Verpal-TarnTaran	14.480	7/20/2020	3:13	20.7.20	3:37	00:24	Blue Phase O/C, E/F	E/F, IDMT 86	Due to Heavy wind Storm and rain
86	132kv Verpal Hakima Gate Ckt.1	9.940	7/20/2020	23:45	21.7.20	0:25	00:40	E/F High Set		Due to Branch of Tree Fall on line
87	132kv Verpal Hakima Gate Ckt.2	9.940	7/20/2020	23:45	21.7.20	6:50	07:05	O/C Y Phase High Set	DPR Y phase E/F	Due to Branch of Tree Fall on line

220

88	220 KV Sadiq-Ferozepur Line	37.70	7/20/2020	5:07	7/20/2020	15:48	10:41	Main-I Y8(Phase Zone-I, Location 17 km; Main-II RYB-phase, Zone-II Location 18.08 km	No tripping	Due to bad weather conditions; Line energized after clearance certificate given by AO TL Mastewal.
89	220 KV Sadiq-Kotkaror	37.4	7/20/2020	5:08	7/20/2020	15:43	10:35	Main-I, Main-II, Location 436 m	Main-I, Main-II, Zone-I, Location 21.68 km	Due to bad weather conditions; Line energized after clearance certificate given by AO TL Mastewal.
90	220 KV Sadiq-Muktisar	40.50	7/20/2020	5:08	7/20/2020	6:25	1:17	Main-I, Main-II, Zone-II, Location 51.81 km	-	Due to bad weather conditions
91	132 KV Kotkapura-Moga Line	34.6	7/20/2020	19:34	7/20/2020	20:28	0:54	O/C+E/F B Phase, Z-1, D=14.8 KM	O/C+E/F B Phase, Z-1, D=14.8 KM	Transient Fault
92	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/20/2020	5:25	7/20/2020	5:45	0:20	O/C+E/F R Phase, Z-1, D=25.92 KM	Line is isolator controlled	Transient Fault
93	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/20/2020	14:11	7/20/2020	14:19	00:08	O/C+E/F B Phase, Z-1, D=9.61 KM	Line is isolator controlled	Transient Fault
94	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/20/2020	19:16	7/20/2020	19:48	0:32	O/C+E/F BR Phase, Z-1, D=25.34 KM	Line is isolator controlled	STORM AND HEAVY RAIN
95	132 KV Moga- Panjgrain Kalan	31.5	20-07-2020	4:22	20-07-2020	4:50	0:40	DPR R-φ Z1 S. 775 KM	Breaker not installed.	Transient Fault
96	132 KV Moga- Panjgrain Kalan	31.5	20-07-2020	19:50	20-07-2020	20:27	0:23	DPR Y-φ Z1 11.385 KM	Breaker not installed.	Transient Fault
97	132 KV Kotkaror-Ferozeshah Line	18.6	7/20/2020	5:05	7/20/2020	11:35	06:30	RY Phase Highest	O/C RY-Phase Master trip	Due to bad weather conditions; Line energized after clearance certificate given by AO TL Mastewal.
98	132 KV Ferozepur - Manna Singh Wala	11.6	7/20/2020	5:02	7/20/2020	5:28	00:26	O/C Highest RYN Ph location 13.9 KM	O/c E/f	Due to bad Weather and Heavy Storm
99	132 KV Ferozshah-Manna Singh Wala Line	10	7/20/2020	5:05	7/20/2020	6:53	01:48	O/C RY ph Master trip	RY Ph Zone 1 loc 3.3 Km	Due to bad Weather and Heavy Storm
100	132Kv Khara mandir-Sultanpur	12.00	20-07-20	3:40	20-07-20	15:45	12:05	Not tripped	Dpr, R phase, Z-2, F1-9.8 km	The disc Insulators of Y phase at Tw no.46 and R phase at Tw no.48 were found flashed due to which line was tripped and same were replaced with new disc insulators.
101	132kv Verka -Pakharpara	20.000	7/21/2020	18:10	7/21/2020	18:30	00:20	Dir O/C E/F	Breaker not tripped	Due to Heavy Jerk 132Kv Wadala Granthian Bataa Ckt No.2

227

102	132kv Wadala Granthian -Batala Ckt.3	8.000	7/21/2020	18.10	21.7.20	18.34	00:24	DPR Razon RS Zone-2	Breaker not tripped	Due to Heavy Jerk 132Kv Wadala Granthian Batala Ckt No.2
103	132kv Batala Wadala Granthian Ckt.2	7.000	7/21/2020	18.10	21.7.20	18.35	00:25	DPR L-2 Pickup E/F Pickup Master Trip.86	DPR L1 pick up E/F Pick up	Due to Heavy Jerk 132Kv Wadala Granthian Batala Ckt No.2
104	132kv Batala Pakharpura	17.600	7/21/2020	18.10	21.7.20	20.40	02:30	DPR L-2 Pickup E/F Pickup Master Trip.86	Breaker not tripped	Due to Heavy Jerk 132Kv Wadala Granthian Batala Ckt No.2
105	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/21/2020	17.11	7/21/2020	17:21	0:10	O/C+E/F B Phase,Z-1,D=43.77 KM	Line is isolator controlled	Transient Fault
106	220 KV Sadiq-Kotkaror	37.4	7/22/2020	0:25	7/22/2020	1:46	1:21	Master Trip	High Speed Master Relay & B Phase O/C	Transient Fault
107	220 KV Sadiq-Muktsar	40.50	7/22/2020	0:25	7/22/2020	1:05	0:40	Master Trip	No tripping	Transient Fault
108	220 KV Sadiq-Ferozepur	37.7	7/22/2020	0:25	7/22/2020	1:02	0:37	Master Trip	O/C E/F Backup Protection E/F	Transient Fault
109	132 KV Muktsar-Jalalabad Line	33	7/22/2020	4:58	7/22/2020	5:05	00:07	O/C+E/F B Phase,Z-1,D=12.7 KM	Line is isolator controlled	Transient Fault try taken after conerned with SSE
110	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/22/2020	6:23	7/22/2020	11:50	5:27	O/C+E/F B Phase,Z-1,D=46.87 KM	Line is isolator controlled	Transient Fault
111	132 KV Moga- Panigrain Kalan	31.5	22-07-2020	5:18	22-07-2020	5:26	00:08	DPR BN-Φ Z1 22,421 KM	Breaker not installed.	Transient Fault
112	132 KV Goraya-Phillaur	12 KM	23-07-20	9:51	7/23/2020	10:25	00:34	R ph. E/F. Master trip	No indication on Phillaur end	Tripped alongwith tripping of 132KV Phillaur-Jamalpur ckt. (PC pitAwlw dIAW hdwieqW Anuswr cvIU.klgwl)
113	132 KV Phillaur-Jamalpur	17 KM	23-07-20	9:51	7/26/2020	22:08	82:17	DPR RN ZONE-1,LOC-16:48 KM,R Phase E/F	DPR R Phase ZONE-1,LOC-2.3 KM	Conductor breakdown between tower no - 8 & 9
114	132KV Batala-Kathunagal	22.000	7/24/2020	14:23	24.7.20	14:41	00:19	DPR L-1 Pickup Zone-1,86	Red Phase Zone-1 86	Due to construction of new building near batala end And come in contact with induction Zone
115	132KV Batala-Kathunagal	22.000	7/24/2020	14:55	24.7.20	18.18	03:23	DPR Red Phase Zone-1	Red Phase Zone-1 86	Due to construction of new building near batala end And come in contact with induction Zone
116	132KV verka-Kathuanagal	15.500	7/24/2020	14:23	24.7.20	14.48	00:25	Dir. O/C E/F 86	Breaker Not Tripped	Due to construction of new building near batala end And come in contact with induction Zone
117	132KV verka-Kathuanagal	15.500	7/24/2020	14:55	24.7.20	15.15	00:20	Master Trip 86	Breaker Not Tripped	Due to construction of new building near batala end And come in contact with induction Zone
118	132 KV Moga- Panigrain Kalan	31.5	24-07-2020	20:52	24-07-2020	21:03	00:11	DPR RN-Φ Z1 6.067 KM	Breaker not installed.	Transient Fault

222

119	132 kv Doraha-Bilaspur -Sihora	23.000	7/25/2020	19.10	25.7.2020	19.45	00:35	DPR,Razoa,E/F,B-Phase,Zone-2&3	Directional O/C, E/F	Temporary fault occurred due to flash over disc insulators.
120	132 KV GNDTP- MES Cantt.	11.23	7/26/2020	5:06	7/26/2020	5:28	0:22	DPR CN-ph Z-1 L=3.1 KM Trip ABC	NA	De-capping of porcelain disc insulators was observed on 27.07.2020 ,which was attended by Hot Line Team Ludhiana on 28.07.2020
121	132 KV Moga- Panjgrain Kalan	31.5	26-07-2020	0:40	26-07-2020	0:48	00:08	DPR RN-φ Z1 5.885 KM	Breaker not installed.	Transient Fault
122	132 KV Moga- Panjgrain Kalan	31.5	26-07-2020	3:31	26-07-2020	13:17	09:46	DPR RN-φ Z1 6.087 KM	Breaker not installed.	Transient Fault as Patrolling Between Tower No. 247 To 375 by AOTL Muktsar. No Fault Found, Line Charged on Msg of AOTL Muktsar.
123	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/27/2020	0:50	7/27/2020	0:56	00:06	O/C+E/F B Phase,Z-1,D=21:73 KM	Line is isolator controlled	Transient Fault
124	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/27/2020	23:20	7/27/2020	23:29	00:09	O/C+E/F B Phase,Z-1,D=9.34 KM	Line is isolator controlled	Transient Fault
125	132 KV SwadhiMoga	42.000	7/27/2020	5:33	27.7.2020	7.03	01:30	Not Trip	AN-Phase, Zone-1,39.5 km	Temporary fault occurred due to flash over disc insulators.
126	132 KV Swadhi -Jamalpur	38.000	7/27/2020	5:33	27.7.2020	10:57	05:24	L-1,R-Phase,E/F,Zone-1,6.8km	R-Phase,Zone-1	Temporary fault occurred due to flash over disc insulators.
127	132KV Tarn Taran-Verpal	14.480	7/28/2020	14:50	28.7.20	15:20	00:30	E/F, DMT-86	E/F, Highset	Due to Some Transient Fault In line
128	132KV Verka-Pakharpura	20.000	7/28/2020	17:40	28.7.20	17:55	00:15	Dir, O/C, E/F, Master Trip	Breaker not tripped	Due to Some Transient Fault In line
129	132KV Verka-Kathunangal	15.500	7/28/2020	17:40	28.7.20	17:56	00:16	Dir, O/C, E/F, Master Trip	Breaker not tripped	Due to Some Transient Fault In line
130	132KV Verka-Power Colony	2.500	7/28/2020	17:40	28.7.20	19:10	01:30	Master Trip 86	Breaker not tripped	Due to Some Transient Fault In line
131	132KV Verpal-Mandi	11.650	7/28/2020	14:52	28.7.20	15:20	00:28	E/F, Highset	Breaker not tripped	Due to Some Transient Fault In line
132	132KV Civiline-Power Colony	2.600	7/28/2020	12:50	29.7.20	13:47	00:57	Dir, O/C E/F 86	Breaker not tripped	Due to Some Transient Fault In line
133	132 KV Sarainaga -Moga (KKP2)Line	28.5	7/29/2020	22:23	7/29/2020	22:31	00:08	O/C+E/F Y Phase,Z-1,D=22.39 KM	Line is isolator controlled	Transient Fault
134	132 KV Ferozpur-Faridkot Line	41	7/29/2020	9:08	7/29/2020	9:48	00:40	BN Phase Zone-1, Location 7.8 km	NA, Isolator Control	Transient Fault Try taken by taking permission from PC Patiala
135	132 KV Moga-Dhaleke	19	7/29/2020	21:28	30.07.2020	18:25	20:57	DPR Y-ph 18.3 KM	Breaker not installed.	Tower span no. 42-43 and Earth wire brekdown between Tower No. 42-43 and 46-47 due to heavy storm

223

8

136	132Kv Kartarpur-Beas	27.00	29-07-20	21.32	29.07.20	22.53	01.21	Dpr.BN Z-1,FI-9.7km	Not tripped	The disc Insulators of B and R phase at Tw no.87 were found flashed due to which line was tripped and same were replaced with new disc insulators.
137	132 KV Ferozpur-Faridkot Line	41	7/31/2020	11:17	7/31/2020	11:40	00:23	RN Phase Zone-2, Location 38.8 km	INA, Isolator Control	Transient Fault Try taken by taking permission from PC Patala
138	132 kv Doraha-Bilaspur -Sihora	23.000	7/31/2020	20:20	31.7.2020	21:35	01:15	Low Oil Level		Low Oil Level of SF-6 Gas
139	132kv Tam Taran-Verpal	14.480	8/1/2020	11:55	1.8.20	12:10	00:15	E/F Master Trip 86	Breaker not Tripped	Due to some transient fault
140	220 KV Moga-Baghapurana Ckt-1 Line	10	01-08-2020	10:38	01-08-2020	20:08	9:30	DPR RN-φ Z2 10.5 KM	ON	Due to 220 KV Moga-Baghapurana Ckt-2 B/D near Village Gill
141	220 KV Moga-Baghapurana Ckt-2 Line	10	01-08-2020	10:38	05-08-2020	21:22	106:44	DPR RN-φ Z2 10.48 KM	Dir O/C+E/F	
142	220 KV Baghapurana- Bajakhana Ckt-1	34.5	01-08-2020	10:38	01-08-2020	11:54	1:16	Main1 & Main2, Master Trip DPR R-φ Z1 251.4 KM	ON	Due to 220 KV Moga-Baghapurana Ckt-2 on both ends
143	220 KV Baghapurana- Bajakhana Ckt-2	34.5	01-08-2020	10:38	01-08-2020	11:40	1:02	Main1 & Main2, Master Trip DPR R-φ Z1 1.652 KM	Ph-AN, Main-1, Zone-none, Location None	Breakdown of Baghapurana-Moga Ckt-2 at Baghapurana end.
144	132 KV Mukatsar-Malout Line	32.5	8/1/2020	7:55	8/1/2020	8:05	0:10	RN-ph,E/F,Z-2, 27.7 KM	RPh, O/C, E/F, Z-1, 1.07 KM	Transient Fault
145	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/1/2020	23:21	8/1/2020	23:26	0:05	B PHASE 9.381KM, Ia68.42A, 147.8A, Ic3.288A,	Line is isolator controlled	Transient Fault
146	220 KV Moga-Baghapurana Ckt-1	10	01-08-2020	10:38	01-08-2020	20:08	09:30	DPR RN-φ Z2 10.5 KM	ON	Due to 220 KV Moga-Baghapurana Ckt-2
147	220 KV Bagha purana-Bajakhana Ckt-1	34.5	01-08-2020	10:38	01-08-2020	11:54	01:16	Main1 & Main2, Master Trip DPR R-φ Z1 251.4 KM	ON	Due to 220 KV Moga-Baghapurana Ckt-2 on both ends
148	132 kv Doraha-Bilaspur	9.506	8/1/2020	18:25	1.8.2020	18:43	00:18	Razoa TN Z-2 & 3	-	Temporary fault occurred due to flashover Disc insulators
149	132 kv Bilaspur -Sihora	13.494	8/1/2020	18:25	1.8.2020	18:55	00:30	Directional E/F O/C 86	-	Temporary fault occurred due to flashover Disc insulators
150	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/2/2020	1:12	8/2/2020	1:21	0:09	B PHASE DPR Z1, Ia68.47A, Ib140.9A, Ic3.353 KA	Line is isolator controlled	Transient Fault
151	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/2/2020	2:44	8/2/2020	11:02	8:18	B HASE Z1, Ia62.17A, Ib144.1A, Ic3.553KA	Line is isolator controlled	Transient Fault
152	132 KV Moga-Gholian Kalan	16.2	02-08-2020	23:54	03-08-2020	0:11	00:17	DPR R-φ Z1 6.1 KM	ON	Temporary fault occurred due to flashover Disc insulators

2024

153	220 KV Baghapurana-Moga Ckt-1	10	03-08-2020	21:40	08-08-2020	11:45	11:05	Backup O/C+E/F operated	ON	1) Line already energised from 220 KV S/S Moga with NO Load. Due to overloading condition on Single Ckt. Moga-Baghapurana Ckt-02, load is not loaded. 2) On dated:07-08-2020. Time:17:50 Hrs. when Ckt-1 is switched ON (After loaded on Moga-Baghapurana Ckt-02) R-Phase Current was Zero & Double on Ckt-2, seems any R-Phase Jumper is damaged, message delivered to AEE/TL. 3) After attending fault on bay at 220 KV S/S Moga (Singhawala), Ckt-1 is loaded on Dated:08-08-2020. Time:11:45.
154	220 kv Badhni - PGCIL Moga	28.219	03-08-2020	11:15	3.8.2020	18.34	07:19	Auto Reclose,ckt-1 Faulty,Zone-1,BN-Phase,18.59 km	Trip	Temporary fault occurred due to flash over disc insulators.
155	132 KV Moga- Panigrain Kalan	31.5	05-08-2020	3:30	05-08-2020	16:38	13:08	DPR RN-Φ Z-1 1.475 KM	Breaker not installed.	After Clearance from AEE/TL (Cleaning & Washing of Disc Insulators of Tower# 252 & 253), Line energised.
156	132kv Verpal Tam Taran	14.480	8/6/2020	22:50	6.8.20	23:42	00:52	Master Trip 86	Master Trip 86	Due to some transient fault
157	132 KV Moga- Dhalleke	14	06-08-2020	3:53	06-08-2020	4:11	0:18	DPR B-Φ Z-1,2,3 10.2 KM	Breaker not installed at dhalleke.	Transient Fault
158	132 KV Moga- Panigrain Kalan	31.5	08-08-2020	7:57	08-08-2020	20:29	12:32	DPR RN-Φ Z-1 6.103 KM	Breaker not installed.	Replacement of Disc Insulators of Tower No.265, R-phase.
159	132 KV Malout-Abohar line	29.64	8/10/2020	6:01	8/10/2020	6:11	0:10	E/F B PH, Z-1, 5.561 KM	Breaker NOT available	Transient Fault, Try Taken after permission from pc patiala
160	132 KV Malout-Abohar line	29.64	8/10/2020	14:32	8/10/2020	15:02	0:30	E/F B PH, Z-1, 3.427 KM	Breaker NOT available	Transient Fault, Try Taken after permission from pc patiala
161	220 kV Ferozepur Line - Sadiq	37.70	8/11/2020	18:55	12.08.2020	20:37	25:42	DPR I - YB phase Zone I location 18.38 km; at 19:30 after try. RYB Phase Zone-1 10.23 km	No tripping	Due to conductor breakdown at Tower No. 121 B Phase; try taken at 19:30 by taking permission from PC Patiala but line didn't hold.
162	220 kV Sadiq -Kotkarof Line	37.4	8/11/2020	18:54	11.08.2020	19:25	0:31	O/C Y Phase	No tripping	Transient Fault Line energised by taking permission from PC Patiala from 220 KV Sadiq end.

225

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163	220 kV Mukatsar Sahib- Sadiq Line	37.00	8/11/2020	18:54	11.08.2020	21:55	3:01	Zone-II RYB Phase - Master Trip	Birding at Mukatsar Sahib end & breakdown of B Phase 121 Tower of 220 kV Sadiq-Ferozpur Line
164	132 kV Ferozeshah - Mana Singh Wala Line	10	8/11/2020	18:53	8/11/2020	19:55	1:02	Master Trip, L 2T, IP >2T	Transient fault, Lines energised by taking permission from PC Pattala
165	132 kV Ferozeshah-Kotkaror Line	18.6	8/11/2020	18:46	8/11/2020	19:43	0:57	Master Trip, L 2T, O/C Y Phase Highset IP >2T	Transient fault, Lines energised by taking permission from PC Pattala
166	132 KV Moga- Gholian Kalan	15	12-08-2020	5:35	12-08-2020	8:43	3:08	DPR R-φ Z1,2,3 5.9 KM	Due to tree branches
167	132 KV IGC- GNDTP Bathinda Line	16.76	8/12/2020	20:33	8/12/2020	20:57	0:24	Dir. O/C R-Phase	66 KV IGC, 66 KV kotshamir also tripped at same time
168	132 KV Maur- IGC Bathinda Line	32.87	8/12/2020	20:33	8/12/2020	21:31	0:58	DPR(L=29.28KM, Zone -2, Trip phase ABC, Started phase -AN	Transient fault, The line was charged with approval of PC Pattala
169	132 KV Mana Singh Wala - Ferozeshah Line	10	8/12/2020	9:27	8/12/2020	9:37	0:10	B-Phase O/C Relay	Due to Overload, All supply of 220 kV S/S, Ferozpur was fed from 220 kV S/S, Kotkaror via 132 kV Ferozeshah-Mana Singh Wala and 132 kV Mana Singh Wala- Ferozpur line due to fault of 220 kV Sadiq line
170	132 KV Malout-Abohar line	29.64	8/12/2020	5:38	8/12/2020	5:50	0:12	EF R PH, Z-1, 15.13 KM	Transient Fault, Try Taken after permission from pc pattala
171	132 KV Swadhi -Moga	42.000	8/12/2020	19:15	12.8.2020	20:25	01:10	RYB Phase 86, 1.6 KM Z-4	Temporary fault occurred due to flashover Disc insulators
172	132 KV Swadhi -Moga	42.000	8/12/2020	22:15	12.8.2020	22:35	00:20	RYB Phase 1.5 KM	Temporary fault occurred due to flashover Disc insulators
173	132 KV Swadhi -Jamaipur	38.000	8/12/2020	19:15	13.8.2020	16:17	21:02	Y Phase 86, 1.7 KM	Red Phase Discs Burnt at Tower No.116/7
174	132kv Verpal Mall Mandi	11.650	8/13/2020	16:15	13.8.20	16:27	00:12	High set Master Trip 86	Due to some transient fault
175	132kv Mahilpur-Banga Line	27.800	13-08-20	1:48	13/08/2020	2:02	00:14	B-Phase ZONE 1ST	B-PHASE 2, NO SUSPECTED DISC INSULATORS REPLACED AT T. NO 06
176	132kv Mahilpur-Banga Line	27.800	13-08-20	3:20	13/08/2020	11:2	08:00	B-Phase. Zone-1.	B-PHASE 2, NO SUSPECTED DISC INSULATORS REPLACED AT T. NO 06
177	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/14/2020	1:43	8/14/2020	1:50	0:07	O/C+EF B Phase,Z-1, D=9.310 KM	Transient Fault

226

178	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/14/2020	5:13	8/14/2020	5:25	0:12	O/C+E/F B Phase Z-1, D=9.293 KM	Line is isolator controlled	Transient Fault
179	132 KV Sarainaga -Moga (KKP2)Line	28.5	8/14/2020	23:50	8/14/2020	23:58	0:08	O/C+E/F B Phase Z-1, D=7.10 KM	Line is isolator controlled	Transient Fault
180	132 KV IGC- GNDTP Bathinda Line	16.75	8/14/2020	3:45	8/14/2020	4:18	0:33	DPR Zone-4 Dist. -0.976 km (-5.136%) CA Phase	No Tripping	Maur line tripped from maur end at same time
181	132 kv Maur- IGC Bathinda Line	32.87	8/14/2020	3:45	8/14/2020	4:05	0:20	DPR(L=12.89KM, Zone -1, Trip phase ABC, Started phase -CN, O/C B phase (1896A), E/F (2346A)	No Tripping	Transient fault, The line was charged with approval of PC Patiala
182	132 KV Maur-IGC Bathinda Line	32.87	8/14/2020	4:07	8/14/2020	4:17	0:10	DPR(L=0KM, Zone -1, Trip phase ABC, E/F (144 A)	Breaker not Tripped	Transient fault, The line was charged with approval of PC Patiala (Breaker at 132 KV IGC Made on at 07:25 on 14.8.2020)
183	132kv Verpal Hakima Gate Ckt 1	9.940	8/15/2020	10:40	15.8.20	13:55	03:15	O/C B Phase High Set E/F	DPR ZONE 1 Master Trip 86 PSB	Due to some transient fault
184	132kv Verpal Hakima Gate Ckt 2	9.940	8/15/2020	10:40	15.8.20	11:15	00:35	O/C B Phase High Set E/F	DPR ZONE 1 Master Trip 86 PSB	Due to some transient fault
185	132 KV Moga- Gholian Kalan	15	16-08-2020	1:24	16-08-2020	1:50	0:26	DPR R-Φ Z1, 6.1 KM	ON	Transient Fault ,After inspection of yard & approval of PC, Line energised.
186	132 kv Ghuliai - Shamspur - Sehe	17.713	8/17/2020	2:15	17.8.2020	2:31	00:16	Directional E/F O/C 86	Breaker NOT available	Temporary fault occurred due to flashover Disc insulators
187	132 KV Malout-Abchar line	29.64	8/18/2020	9:03	8/18/2020	9:13	0:10	E/F B PH, Z-1, 17.05 KM	Breaker NOT available	Transient Fault , Try Taken after permission from pc patiala
188	220 KV Ghulaf- RTP	63.092	8/18/2020	12:02	18.8.2020	13:04	01:02	O/C R Phase Z-1 General Trip KM	O/C R Phase Z-1 8.2 KM	Temporary fault occurred due to flash over disc insulators.
189	220 KV Doarah - PGCIL	27.788	8/18/2020	12:10	18.8.2020	17:56	05:45	Main 1 & 2 DPR Operated, Z-1 RYB Phase	O/C R Phase Z-1 8.2 KM	Temporary fault occurred due to flash over disc insulators.
190	220 Gaunagarh- RTP	77.071	8/18/2020	12:13	18.8.2020	13:20	01:07	Z-1, General Trip YB Phase 63.498 KM	Z-1 General Trip, YB Phase 29.55 KM	Temporary fault occurred due to flash over disc insulators.
191	220 KV Sahnewal-Doraha Ckt-1	8.775	8/18/2020	14:01	18.8.2020	15:47	01:46	RYB Phase , SOTF Trip	not Trip	Temporary fault occurred due to flash over disc insulators.
192	132 KV Mukatsar-Kotkapura-1 Line	28.4	8/19/2020	12:33	8/19/2020	12:46	0:13	YPh, O/C, E/F	E/F	Transient Fault
193	132 KV Kotkapura 1-Moga Line	47.1	8/19/2020	12:33	8/19/2020	12:40	0:07	DPR zone 4 Yph O/C optd. 86 L- (-3.703)KM SOTF optd	-	Transient Fault , try taken after conerned with PC Patiala and SSE
194	220 KV Jagraon - Himmatpura	47.5	8/19/2020	10:35	19.8.2020	10:58	00:23	Bus Bar Protection, LBB	Not Trip	Temporary fault occurred due to flash over disc insulators.

227

8

195	132 KV Moga- Sosan	13.534	19-08-2020	6:00	19-08-2020	6:20	00:20	DPR BN-φ Z1 3.952 KM	ON	Temporary fault occurred due to flashover Disc insulators
196	220 kv G-1 - Ikolaha	18	8/21/2020	5:04	21-8-2020	5:45	00:41	REL670,B- Phase,Zone-1,2,3	On	Temporary fault occurred due to flash over disc insulators.
197	220 kv Ikolaha - Malerkotla	41	8/21/2020	5:04	21-8-2020	11:55	06:51	General Trip,B- Phase,Zone-1	General Trip,B- Phase,Zone-1	Temporary fault occurred due to flash over disc insulators.
198	132 KV Moga- Panigrain Kalan	31.5	22-08-2020	6:57	22-08-2020	7:05	00:08	DPR YN-φ Z-1 22.5 KM	Breaker not installed.	Transient Fault
199	132 KV IGC-GNDTP Bathinda Line	16.76	8/22/2020	2:22	8/22/2020	2:53	0:31	No Tripping	DPR RYB-ph Z-2, L= 28.0 km	Maur line tripped from maur end at same time
200	132 KV Maur-IGC Bathinda Line	32.87	8/22/2020	2:22	8/22/2020	2:51	0:29	DPR(L=18.10KM, Zone -1, Trip phase ABC, Started phase -CN,	E/F	Transient fault The line was charged with approval of PC Pallala
201	132 kv Doreha-Bilaspur	9.506	8/23/2020	1:36	23-8-2020	1:58	00:22	Razoa TN Z-2 & 3	-	Temporary fault occurred due to flashover Disc insulators
202	132 kv Bilaspur -Sihora	13.494	8/23/2020	1:36	23-8-2020	2:04	00:28	Directional O/C E/F .86	-	Temporary fault occurred due to flashover Disc insulators
203	132 KV Mukatsar-Malout Line	32.5	8/27/2020	4:55	8/27/2020	5:05	0:10	BPh, O/C, E/F	BPh, O/C, E/F, Z-1, 1.098 km	Transient Fault
204	132 KV Mukatsar-Malout Line	32.5	8/27/2020	6:40	8/27/2020	6:52	0:12	BPh, O/C, E/F	BPh, O/C, E/F, Z-1, 1.024 km	Transient Fault
205	132 KV Moga- Panigrain Kalan	31.5	28-08-2020	4:35	28-08-2020	5:52	1:17	DPR YN-φ Z-1 22.669 KM	Breaker not installed.	Due to rainy weather, Late Try Taken
206	132 KV Malout-Abohar line	29.64	8/28/2020	12:37	8/28/2020	12:47	0:10	E/F B PH, Z-1, 20.09 KM	Breaker NOT available	Transient Fault, Try Taken after permission from pc pallala
207	132Kv Pims-Science city	18.756,	28-08-20	13:40	28-08-20	13:55	00:15	Not tripped	Dpr, RB phase,Z-1,Fi- 9.8km	The disc Insulators of R and B phase at Tw no.53 were found flashed due to which line was tripped and same were replaced with new disc insulators.
208	132 KV Swadhi - Jaisalpur	38,000	8/30/2020	18:30	31-8-2020	14:30	20:00	B Phase e/f,Z- 1,4.5 km	GF,Z-1,31.3 km	B-Phase Discs flashed at Tower no.16/2
209	132 KV Swadhi -Moga	42,000	8/30/2020	18:30	30-8-2020	18:55	00:25	Trip,CQ,no distance	CN Phase,no zone,45.4 km	Temporary fault occurred due to flashover Disc insulators
210	132 KV Moga- Panigrain Kalan	31.5	31-08-2020	9:37	31-08-2020	10:34	0:57	DPR RN-φ Z-1 28.966 KM	Breaker not installed.	Due to rainy weather, Late Try Taken
211	132 KV Moga- Ghollan Kalan	15	02-09-2020	18:23	02-09-2020	18:40	0:17	DPR R-φ Z1 7.7 KM	Not Tripped	Transient Fault
212	220 KV Moga-Baghapurana Ckt-2	10	03-09-2020	18:58	04-09-2020	10:40	15:42	Main1 RN-φ DPR Z1 4.105 KM	ON	Due to tree fall on line
213	220 KV Baghapurana-Moga Ckt-1	10	03-09-2020	18:55	03-09-2020	19:14	0:19	Backup O/C+E/F	ON	Transient Fault
214	220 KV Line Bajakhah- Baghapurana Ckt 2	37.5	03-09-2020	18:59	03-09-2020	19:52	00:53	Main1 & Main2 AR Blocked	ON	Temporary fault occurred due to flash over disc insulators.
215	132 KV Moga-Dhaleke	19.00	03-09-2020	18:55	03-09-2020	19:35	00:40	Master Trip	Breaker not installed at dhaleke.	Temporary fault occurred due to flash over Disc insulators

228

216	132Kv Kartarpur-Beas	27.00	03-09-20	12:10	03.09.20	13:10	01:00	Dpr. RN,FI=0.0km	Dpr. Master	The R phase clamp and jumper between Line Isolator and R phase wavetrap at gantry kartarpur s/s were found damaged due to which line was tripped and same were replaced with new conductor.
217	132 KV Mana Singh Wala - Ferozepur Line	11.6	9/4/2020	13:14	04.09.2020	14:20	01:06	DPR Zone-1, 2.8 km (24%) YN-phase	DPR YN-phase Zone-1, Location 5.6 km	Telephonic Message conveyed to AO TL 400 KV S/S Mastawal by concerned SSE & line energised as per directions from PC
218	132 KV Ferozeshah - Mana Singh Wala Line	10	9/4/2020	13:12	04.09.2020	16:50	3:38	Master Trip, L 2T, IP >2T	Master trip	Telephonic Message conveyed to AO TL 400 KV S/S Mastawal by concerned SSE & line energised as per directions from PC
219	132 KV Ferozeshah-Kotkaror Line	18.6	9/4/2020	13:14	04.09.2020	14:10	9:56	O/C RYB Phase Highset	L2T, I>2T E/F	Telephonic Message conveyed to AO TL 400 KV S/S Mastawal by concerned SSE & line energised as per directions from PC
220	132 KV RTP - GACL	4.003	04/09/20	18:05	04.09.20	19:11	01:06	67 N,earth fault	Not tripped	As per relay indications, patrolling is done from tower no 01-11 and all jumpers, suspension clamps, tension fittings, nut bolts and clearances found ok. Line charged with the permission of PC Patiala
221	132 KV Sarainaga-Moga(Till kkp2) Line	28.5	9/5/2020	14:49	9/5/2020	14:57	00:08	O/C+E/F B Phase-Z, 2.D=23.39KM	line is isolator controlled	Transient Fault Take try after concerned with SSE
222	132 KV Sarainaga-Moga(Till kkp2) Line	28.5	9/5/2020	20:40	9/5/2020	20:45	00:05	O/C+E/F B Phase-Z, 2.D=23.38KM	line is isolator controlled	Transient Fault Take try after concerned with SSE
223	132 KV Ferozpur- Fardkot Line	41	9/5/2020	14:28	9/5/2020	20:40	6:12	DPR RN-phase, Zone-1, Location 26 km	Isolator control, No breaker	Due to damaged discs at Tower No. 07 (R-phase)
224	132 kv Doreha-Bilaspur	9.506	9/5/2020	15:48	5.9.2020	16:10	00:22	DPR, Razoa, E/F, Zone-2, Zone-3		Temporary fault occurred due to flash over Disc insulators
225	132 KV Moga- Panigrain Kalan	31.5	06-09-2020	6:04	06-09-2020	6:14	0:10	DPR YN-Φ Z-1 23.744 KM	Breaker not installed,	Transient Fault
226	132 KV Sarainaga-Moga(Till kkp2) Line	28.5	9/6/2020	7:50	9/6/2020	7:58	00:08	O/C+E/F B Phase-Z, 2.D=23.35KM	line is isolator controlled	Transient Fault Take try after concerned with SSE
227	132 KV HAMIRPUR-CHOHAL	66.65	06-09-20	10:30	06/09/2020	12:02	01:32	O/C B-PHASE E/F	B-PHASE ZONE 1ST	(Flash over temprarey fault& transient fault)

229

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228	132 KV S/S Nakkian - Ropar	33.935	9/11/2020	17.07	11.09.20	17.27	00:20	Not tripped	R phase, zone-1, 21.5 KM	As per relay indications, patrolling is done from tower no 20-46 and found that at tower no 25 R and Y phase 4-4 disc insulators got flashed due to birdage.
229	132 KV S/S Nakkian - Nakkian Power House	1.365	9/11/2020	17.07	11.09.20	17.32	00:25	Not tripped	R phase, zone-1, 10.8 KM	As per relay indications, patrolling is done from tower no 20-46 and found that at tower no 25 R and Y phase 4-4 disc insulators got flashed due to birdage.
230	132KV Tern Taran-Verpal	14.480	9/14/2020	5.05	14.9.20	5.30	00:25	E/F DMT 86	E/F, Highset	Due to Transient Fault
231	132KV Verpal-Mall Mandi	11.650	9/14/2020	5.01	16.9.20	1.10	44:09	B Phase High Set E/F	Breaker Not Tripped	Due to B phase Conductor broken between Tower no. 9 and 10 & tower no 9 cross arm bent.
232	132 kv Mana Singh Wala - Ferozepur Line	11.6	9/15/2020	4:10	15.09.2020	4:45	0:35	DPR BN phase, Zone 1 location 2.3 km (20%), Trip ABC	DPR RYN PHASE, ZONE 1 Location 6.3 km, E/F relay Y phase L2T, Ip>2T	Transient Fault, Line-energised after taking permission from PC Patiala
233	132 KV Ferozeshah - Mana Singh Wala Line	10	9/15/2020	4:10	15.09.2020	4:50	0:40	Y phase O/C	-	Energized after taking permission from pc & AO TL Mastewal
234	132 KV Ferozeshah-Kotkaror Line	18.5	9/15/2020	4:10	15.09.2020	4:58	0:48	R phase highset	R phase O/C L2T, Ip>2T	Energized after taking permission from pc & AO TL Mastewal
235	220 kv G-2 -Ganguwal	74.000	9/15/2020	18:35	15.9.2020	19:43	01:06	REL-670 Main-1, RYB- Phase, Z-4	ON	Temporary fault occurred due to flash over disc insulators.
236	220 kv G-2 -Bhari	12.023	9/15/2020	18:35	15.9.2020	19:45	01:10	Micom REL-670, RYB-Phase	ON	Temporary fault occurred due to flash over disc insulators.
237	220 kv G-2 -G-3	3.990	9/15/2020	18:35	15.9.2020	22:03	03:28	Directional E/F, tripping relay operated	OFF	Accident Between tower no. 225 to 226
238	132 Kv Ghular - Sharnspur - Sehe	17.713	9/15/2020	13:15	15.9.2020	13:27	00:12	Directional E/F	-	Temporary fault occurred due to flashover, Disc insulators
239	132 KV Sarainaga-Moga(Till kxp2) Line	28.5	9/16/2020	5:54	9/16/2020	6:01	00:07	O/C+E/F B Phase, Z-1, D=17.11 KM	line is isolator controlled	Transient Fault Take try after concerned with SSE
240	132Kv BBMB Jal-Dhiliwan	37.00	17-09-20	13:17	17.09.20	13:24	00:07	Dpr, RN, Z-1, FL 16.2km	Not tripped.	There was a bird nest with metal wire on R phase cross at tower no.267, line was tripped and same was cleared from the line.
241	132 KV Malout-Muktisar	32.5	9/19/2020	7:58	9/19/2020	8:25	0:27	E/F O/C R PH, Z-1, 0.30762 KM	E/F O/C R PH, Z-2, 28.7 KM	Transient Fault , Try Taken after permission from pc patiala

230

242	132 KV Ferozpur- Faridkot Line	41	9/19/2020	9:16	9:30	0:14	DPR RN-phase Zone-2, Location 38.4 km	Isolator control No breaker	Transient Fault , Line-energised after taking permission from PC Patiala, AO TL & concerned SSE
243	132Kv BBMB Jal-Dhliwan	37.00	19-09-20	12:48	12:56	00:10	Dpr. BN, Z-1, Fl-16.50km	Not tripped.	The disc Insulators of B phase at Tw no.254 were found flashed due to which line was tripped and same were replaced with new disc insulators.
244	132 KV Swadhi -Moga	42.000	9/20/2020	20:45	21:10	00:25	RYB -Phase, Trip 1.84 KM	Y-Phase,36.61 KM	Temporary fault occurred due to flashover Disc insulators
245	132 KV Swadhi -Jamalpur	38.000	9/20/2020	20:45	13:00	16:15	Y -Phase E/F, Zone-1, 1.6 KM	BGF, Zone-2, 37.4 km	R-Phase Discs Flashed at tower no.-11677
246	132 kv Doraha-Bilaspur	9.506	9/21/2020	11:11	11:57	00:46	ON		Supply Fail at Jamalpur end
247	132 Kv Ghulai- Jamalpur ckt-1	21.00	9/21/2020	11:11	18:30	07:19	ON	E/F, O/C, R-Phase, Zone-1	Temporary fault occurred due to flashover Disc insulators
248	132 Kv Ghulai- Jamalpur ckt-2	21.00	9/21/2020	11:11	18:01	07:50	ON	E/F, O/C, R-Phase, Zone-1	R-Phase Discs Flashed at tower no.-309
249	132KV Batala-Kathunangal	22.000	9/23/2020	11:42	11:50	00:08	O/C, Blue Phase 86	Breaker Not Tripped	Due to Transient Fault
250	132KV Civilline-Power Colony	2.600	9/23/2020	11:40	11:45	00:05	Dir, E/F Master	Breaker Not Tripped	Due to Transient Fault
251	132 KV Balluana-Bathinda	14.15	9/23/2020	22:46	22:55	00:09	DPR Z-1, O/C B-PHASE, 10.9 KM		DUE TO TRIPPING OF 132 KV BALLUANA-GIDDERBAHA LINE/After Permission sse Try Taken
252	132 Kv Balluana-Gidderbaha	19.15	9/23/2020	22:46	23:05	0:19	DPR Z-1, O/C C-PHASE	DPR Z-1 ON 12.0 KM63%	Transient Fault ,After Permission PC, Patiala and sse Try Taken
253	132 KV Malout-Mukisar	32.5	9/23/2020	0:57	10:50	9:53	YPh, O/C, E/F, Z-2 28.1 KM	YPh, O/C, E/F, Z-1, 0.546 km	TAKE TRY AFTER CLEARANCE CERTIFICATE GIVEN BY AOTL MKT. DAMAGED DISC STRING CHANGED OF Y- Ph AT RAIL POLE NO. 301
254	132Kv Khara mandie-Sultanpur	12.00	24-09-20	12:10,	22:45	10:35	Not tripped.	Dpr, B phase, Z-2, Fl-8.2km	Due to breakdown of B phase conductor between tower span no.49-50, line was tripped and same was attended.
255	132 KV S/S Nakkian - Nakkian Power House	1.365	9/24/2020	9:11	9:24	00:13	R phase, Earth fault, 10.944 KM	An phase, 21.5 KM, zone-1	As per relay indications, patrolling is done from tower no 38-57 and found that at Tower No 54 R phase 02 No Disc insulators got flashed due to birdage
256	132 KV Moga- Panjgram Kalan	31.5	25-09-2020	3:54	4:26	0:32	DPR BN-Φ Z-1 27.793 KM	Breaker not installed.	Transient Fault
257	132 KV Moga-Gholian Kalan	15	29-09-2020	16:52	17:01	00:09	DPR RN-Φ Z-1 6.1 KM & E/F	Not Tripped	Transient Fault

231

8

258	132 KV Moga- Gholian Kalan	15	29-09-2020	17:01	30-09-2020	8:30	15:29	DPR RN-φ Z-1 6.0 KM & E/F	Not Tripped	R-φ disc insulator found flashed at Tower #21.
259	132 KV Moga-Panjgrain Kalan	31.5	29-09-2020	2:20	29-09-2020	2:43	0:23	DPR BN-φ Z-1 19.86 KM	Breaker not installed.	Transient Fault
260	132KV Verpal-Hakima Gate Ckt-1	9.940	9/30/2020	1:50	30.9.20	2:20	00:30	Y Phase O/C, E/F Highset	Breaker Not Tripped	Due to Transient Fault
261	132KV Verpal-Hakima Gate Ckt-2	9.940	9/30/2020	1:50	30.9.20	2:25	00:35	Y Phase O/C, E/F Highset	ON DPR Y Phase 86	Due to Transient Fault
262	132KV Civililine-Power Colony	2.600	9/30/2020	10:26	30.9.20	10:39	00:13	O/C, Blue Phase 86	Breaker Not Tripped	Due to Transient Fault
263	132KV Civililine-Naraingarh	11.570	9/30/2020	10:26	30.9.20	12:30	02:04	Blue Phase O/C, 86	Breaker Not Tripped	Due to Transient Fault
264	132KV Batala-Kathunangal	22.000	9/30/2020	10:25	30.9.20	10:30	00:05	O/C, Blue Phase 86	Breaker Not Tripped	Due to Transient Fault
265	132 Kv Ghulel- Shamspur - Sehe	17.713	9/30/2020	9:50	30.9.2020	14:10	04:20	Directional E/F Trip	-	Temporary fault occurred due to flashover Disc insulators

237 A