Sr. No.	P&M Circle	Name of Transmission- lines	% loading as compared with the standard design Parameters of Conductor i.e. 45°C ambient temp. and 75°C conductor temp.	Remarks	Remedial Action				
	December 2018								
2	Ludhiana	220 KV G1- Rajpura Ckt1 220 KV G1- Rajpura Ckt2	570A (102%) at 15ºC ambient temperature -do-	Due to inadequate generation from GGSSTP end.	 Replacement of existing conductor with HTLS conductor has been planned. Additional 220kv link (DC on DC tower) between 400kv Rajpura- 220kv Bassi Pathana 				
3		220 kV RTP Ghulal	665A (102%) at 17ºC ambient temperature	do-	This overloading was temporary. No overloading observed in subsequent quarters. No remedial action required				

Sr. No.	P&M Circle	Name of Transmission- lines	% loading as compared with the standard design Parameters of Conductor i.e. 450C ambient temp. and 750C conductor temp.			Remark	S	Remedial Action		
A)	Loading status of	oading status of PSTCL Transmission lines								
	ending September - 2019									
		220KV Muktsar-	611.03A	at	31°C	Higher	side	loading	No	remedial
		Katorewala	ambient		temp.	during	paddy	season	action	required
1	Bathinda		(109%)			may b	e reduc	ed with		
1.						the co	mmissic	oning of		
						220KV	Malout	t-Abohar		
						link				

220KV PGCIL 575A at ambient Higher side loading	However,
Kartarpur- temp. 32°C (102%) corresponding to	
Kartarpur ambient temperature	conductor with
is within permissible	HTLS conductor
limits	has already been
	planned
2. Jalandhar 132KV Mahilpur- 398A at ambient Higher side loading due	U/G of 132KV
Banga temp. 32°C (105%) to high load intake by	Banga to 220KV
132KV Banga	level has been
	planned as
	remedial
	measure
220 KV/ DCCII E 784 et embient Temperany higher eide	No romodial
220 KV PGCIL-578A at ambientTemporary higher sideLalton Ckt1temp. 40°C (103%)loading due to lesser	
220 KV PGCIL-585A at ambientgeneration available at GGSSTP i.e.Lalton Ckt2temp. 40°C (140%)GGSSTP i.e.only 2	Replacement of
units were ON	HTLS conductor
However loading shall	
be reduced as 220KV	
Ladowal is loaded	
properly.	line loading.
220 KV PGCIL- 755A at ambient Temporary higher side	No remedial
Lalton Ckt3 temp. 38°C (119.6%) loading caused due to	
associated line tripping	
by tripping of 220kv	
Bus bar PT fuse failure. 578A at ambient As per telephonic	No remedial
220 KV Lalton- temp. 40°C (103%) discussion with	
Ludhiana Jagraon concerned SSE &	·
3 mail received, it was a	
typographical error,	
Actual M.D. may be	
read as 242A	
220 KV Lalton - 694A at ambient Temporary higher side	No remedial
Humbran temp. 38°C (124%) loading has been	action required
reduced with	
energization of	
Nakodar-Ladowal link.	
220 KV Lalton- 580A at ambient Temporary higher side	No remedial
Ferozepur Road temp. 37°C (103%) loading has been	action required
reduced with	
energization of	
Nakodar -Ladhowal	
link. (energized on	
08/19)	

	1	220 KV Doraha -	651A at 32°C	Higher side loading due	No remedial
		PGCIL	ambient	to high load intake by	action required
			temperature	Sahnewal caused due	
			(116.25%)	to tripping at GGSSTP	
			(,	end	
		220 KV Moga-	589A at ambient	Temporary higher side	No remedial
		Kotkaror ckt-1	temp. 34°C (105%)	loading due to shut	action required
		220 KV Moga-	589A at ambient		
		Kotkaror ckt-2	temp. 34°C (105%)	problem)	
				'	l
		220 KV Makhu-	588 at ambient		No remedial
		Botianwala	temp. 36°C (105%)	discussion with concerned SSE & e-	action required
				concerned SSE & e- mail received , it was a	
				typographical error,	
				Actual M.D. may be	
				read as 336A	
		220 KV	724A at ambient	1 , 0	No remedial
		Wadalagranthian-	temp. 32°C (129%)	loading due to shut	action required
		Fatehgarh		down at Verpal	
		Churian.	'	'	
		220 KV	585A at ambient		No remedial
	<u>.</u>	Wadalagranthian-	temp. 32°C (104%)		action required
4	Amritsar	Kotli Surat Mali.			
		132 KV Sarna- Gurdaspur	324A at ambient temp. 39°C (101%)	Overloading is due to increased demand of	New grid 220KV Gurdaspur has
		Guruaspar		the area	been identified
					for 2020-23 for
					controlling the
					overloading of
	+	220 KV Faggan	600A at ambient	Higher side loading due	this section No remedial
		Majra-	temp. 36°C (107%)	to high load intake by	action required
		Bahadurgarh		220KV Rajpura caused	
				due to lesser	
				generation available at GGSSTP end	
		220 KV Nalagarh-	597A at ambient	Higher side loading due	No remedial
		Mohali-ckt-1	temp. 36°C (107%)	to shut down at	action required
	Patiala			Rajpura and fault in	
5				220kv Mohali - Majra line	
		220 KV Nalagarh-	597A at ambient	1	
		Mohali-ckt-2	temp. 36°C (107%) 561A at ambient	A to tolophonic	N- romodial
		220 KV Sunam- Mansa-ckt	561A at ambient temp. 28°C (100%)	As per telephonic discussion with	No remedial action required
				concerned SSE & e-	
				mail received, it was a	
				typographical error,	
		!		Actual M.D. may be	

			read as 531A.				
	220KV Sunam-	580A at ambient	Slight higher side	No remedial			
	Bhalwan-Ckt.1	temp. 37°C (104%)	loading seems to be of	action required			
			temporary nature due				
			to high load intake at				
			220K Jhunir end.				
			However, it is within				
			permissible limits				
			corresponding to				
			ambient temperature				
	220KV Sunam-	580A at ambient					
	Bhalwan-Ckt.2	temp. 37°C (104%)					
Loading status							
of PSTCL	All the 220KV as well as 132KV Substations of PSTCL remain loaded below 100%						
Substations							
	1) The standa	rd current rating of Panther conductor at 45°C ambient temperature					
	& 75°C conductor temperature is 381 A.						
2) The standard current rating of Zebra conductor at 45°C ambient te							
Note	75°C conductor temperature is 560 A.						
3) The standard current rating of Moose conductor at 45°C ambient temperate							
	5) The standard	current rating of Moos		ent temperature &			
_	of PSTCL	Bhalwan-Ckt.1 Bhalwan-Ckt.1 220KV Sunam-Bhalwan-Ckt.2 Loading status of PSTCL Substations Substations 1) The standard & 75°C conductor Note 2) The standard 75°C conductor	Bhalwan-Ckt.1 temp. 37°C (104%) 220KV Sunam- 220KV Sunam- Bhalwan-Ckt.2 580A at ambient temp. 37°C (104%) Emp. 37°C (104%) Loading status of PSTCL Substations All the 220KV as well as 132KV Substations 1) The standard current rating of Par & 75°C conductor temperature is 32 Note 2) The standard current rating of Zebr 75°C conductor temperature is 560 A	Bhalwan-Ckt.1temp. 37°C (104%)loading seems to be of temporary nature due to high load intake at 220K Jhunir end. However, it is within permissible to ambient temperature220KVSunam- Bhalwan-Ckt.2580A at ambient temp. 37°C (104%)However, it is within permissible to ambient temperature220KVSunam- Bhalwan-Ckt.2580A at ambient temp. 37°C (104%)Joading status corresponding to ambient temperatureIcoading status of PSTCL SubstationsAll the 220KV as well as 132KV Substations of PSTCL remain loaded b a 75°C conductor temperature is 381 A.Note1)The standard current rating of Zebra conductor at 45°C ambi 75°C conductor temperature is 560 A.			