

National Load Despatch Centre
Import of Punjab Transfer Capability for July 2021

Issue Date: 10th July 2021

Issue Time: 10:00 hrs

Revision No. 14

Date	Time Period in IST (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA) #	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
1st July 2021	00-24	7900	600	7300	4360	2940		
2nd July 2021	00-24	7900	600	7300	4360	2940		
3rd July 2021	00-24	7900	600	7300	4360	2940		
4th July 2021	00-24	7900	600	7300	4360	2940		
5th July 2021	00-09	8400	600	7800	4360	3440		
	09-17	7900	600	7300	4360	2940		
	17-24	8400	600	7800	4360	3440		
6th July 2021	00-08	8400	600	7800	4360	3440		
	08-09	8400	600	7800	4360	3440		
	09-18	7900	600	7300	4360	2940		
	18-24	8100	600	7500	4360	3140		
7th July 2021	00-08	8400	600	7800	4360	3440		
	08-09	8400	600	7800	4360	3440		
	09-18	7900	600	7300	4360	2940		
	18-24	8100	600	7500	4360	3140		
8th July 2021 to 9th July 2021	00-08	8600	600	8000	4360	3640		
	08-18	7900	600	7300	4360	2940		
	18-24	8600	600	8000	4360	3640		
10th July 2021 to 11th July 2021	00-08	8800	600	8200	4360	3840	200	<p>1. Forced outage of Unit-2 at Talwandi Saboo plant (all 3 units out at Talwandi Saboo plant)</p> <p>2. Punjab SLDC has informed that working hours of general industries in Jalandhar, Gobindgarh (Rajpura) and Ludhiana area is 8am-6pm. Therefore, loading is lower in these area during night hours.</p> <p>3. Punjab SLDC to ensure loading below N-1 contingency limit at 400/220kV Moga ICTs during high solar generation.</p> <p>4. If Punjab SLDC is not able to ensure N-1 compliance at 400/220kV Moga, NRLDC may curtail ATC/TTC of Punjab in real-time.</p> <p>5. Punjab SLDC to intimate in case of any deviations from the assumed LGB promptly alongwith with revised ATC/TTC limits.</p> <p>6. Anticipated revival time of Unit-2 at Talwandi Saboo plant given as 9am of 12th Jul 2021 by Punjab SLDC.</p>
	08-18	8300	600	7700	4360	3340	400	
	18-24	8800	600	8200	4360	3840	200	
12th July 2021	00-08	8800	600	8200	4360	3840	200	
	08-09	8300	600	7700	4360	3340	400	
	09-18	7900	600	7300	4360	2940	0	
	18-24	8600	600	8000	4360	3640	0	
13th July 2021 to 15th July 2021	00-08	8300	600	7700	4360	3340		
	08-18	7900	600	7300	4360	2940		
	18-24	8300	600	7700	4360	3340		
16th July 2021 to 31st July 2021	00-08	8300	600	7700	4860	2840		
	08-18	7900	600	7300	4860	2440		
	18-24	8300	600	7700	4860	2840		
Limiting Constraints		<p>1. N-1 contingency of 400/220KV ICTs at Rajpura, Nakodar, Ludhiana.</p> <p>2. 220 kV underlying network at Ludhiana and Amritsar.</p> <p>3. High loading of 220kV lines such as Rajpura-Gobindgarh, Dhuri-Sunam, Jalandhar-Kartarpur, Muktsar-Malout etc.</p>						

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Revision No	Date of Revision	Period of Revision	Reason for Revision
2	4th May 2021	1st July to 31st July 2021	Revised TTC/ATC due to planned outage of Talwandi Saboo Unit # 3
3	29th June 2021	1st July 2021	On request of NRLDC, STOA margin revised by 500 MW due to under utilisation of LTA by Punjab
4	30th June 2021	2nd July 2021	On request of NRLDC, STOA margin revised by 500 MW due to under utilisation of LTA by Punjab
5	2nd July 2021	3rd July 2021	On request of NRLDC, STOA margin revised by 500 MW due to under utilisation of LTA by Punjab
6	2nd July 2021	4th July 2021	On request of NRLDC, STOA margin revised by 500 MW due to under utilisation of LTA by Punjab
7	3rd July 2021	5th July 2021 to 15th July 2021	On request of NRLDC, STOA margin revised by 500 MW due to under utilisation of LTA by Punjab
8	4th July 2021	5th July 2021	Revised TTC/ATC due to forced outage of Talwandi Saboo Unit # 1
9	4th July 2021	6th July 2021 to 31st July 2021	<p>1) Implementation of SPS at Nakodar.</p> <p>2) Solar generation starts picking up from 8am onwards and is significant till 6pm in Northern region. Line flows different during solar generation period compared to night hours.</p> <p>3) Loading above N-1 contingency limit at 400/220kV Moga ICTs during high solar generation.</p> <p>4) Punjab SLDC has informed that working hours of general industries in Nakodar, Gobindgarh(Rajpura) and Ludhiana area is 9am-6pm. Therefore, loading is lower in these area during night hours.</p> <p>5) Due to the above reasons ATC/TTC is being enhanced for 00-08 and 18-24 hours.</p> <p>6) Punjab SLDC to intimate in case of any deviations from the assumed LGB promptly alongwith with revised ATC/TTC limits.</p>
10	5th July 2021	6th July 2021	Revised TTC/ATC due to forced outage of Talwandi Saboo Unit # 1
11	6th July 2021	7th July 2021	Revised TTC/ATC due to forced outage of Talwandi Saboo Unit # 1
12	7th July 2021	8th July 2021 to 31st July 2021	<p>1. Planned outage of Unit-2 at Talwandi Saboo plant from 7-9 July 2021.</p> <p>2. Based on node wise load-generation and ATC/TTC assessment submitted by Punjab SLDC on 06.07.2021, ATC/TTC increased by 200MW.</p> <p>3.Implementation of SPS at Nakodar.</p> <p>4. Solar generation starts picking up from 8am onwards and is significant till 6pm in Northern region. Line flows different during solar generation period compared to night hours.</p> <p>5. Loading above N-1 contingency limit at 400/220kV Moga ICTs during high solar generation.</p> <p>6. Punjab SLDC has informed that working hours of general industries in Jalandhar, Gobindgarh (Rajpura) and Ludhiana area is 8am-6pm. Therefore, loading is lower in these area during night hours.</p> <p>7. Due to the above reasons ATC/TTC is being enhanced for 00-08 and 18-24 hours.</p> <p>8. Punjab SLDC to intimate in case of any deviations from the assumed LGB promptly alongwith with revised ATC/TTC limits.</p>
13	9th July 2021	10th July 2021 to 12th July 2021	Revised TTC/ATC due to forced outage of Talwandi Saboo Unit # 1
14	10th July 2021	11th July 2021 to 12th July 2021	<p>1. Forced outage of Unit-2 at Talwandi Saboo plant (all 3 units out at Talwandi Saboo plant)</p> <p>2. Punjab SLDC has informed that working hours of general industries in Jalandhar, Gobindgarh (Rajpura) and Ludhiana area is 8am-6pm. Therefore, loading is lower in these area during night hours.</p> <p>3. Punjab SLDC to ensure loading below N-1 contingency limit at 400/220kV Moga ICTs during high solar generation.</p> <p>4. If Punjab SLDC is not able to ensure N-1 compliance at 400/220kV Moga, NRLDC may curtail ATC/TTC of Punjab in real-time.</p> <p>5. Punjab SLDC to intimate in case of any deviations from the assumed LGB promptly alongwith with revised ATC/TTC limits.</p> <p>6. Anticipated revival time of Unit-2 at Talwandi Saboo plant given as 9am of 12th Jul 2021 by Punjab SLDC.</p>