

TTC/ATC Calculation of JUSNL for month: December-2024.

(100)

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1992 MW	44 MW	1948 MW	JUSNL internal limiting element are :- 1. 132 KV Maithon-Jamtara T/L 2. 132 KV Kahalgaon-Lalmatia 3. 220 kV Maithon-Dumka New D/C Max Possible Generation for December 2024-450 MW Total load = 2192 MW Total Generation = 271 MW

Assumptions for Import TTC:

Sl. No.	Station wise (MW) Generation considered (132kv & above)	Injection (+)/ Withdrawal (-) MW considered for each embedded IPP at 132kv & above(if any)	Station wise demand(MW) Considered (132kv & above)	Lines/ elements considered to be normally switched off or under forced outage(if any)	Generati ng units under forced outage(if any)	SPS consi dered (if any)
1.	TTPS unit I&II = 150 MW	3. CPP+IPP = 71 MW	Bus Number Bus Name Load (MW)	1. 132KV MNQ - MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line 3. 132KV Deoghar-Sultanganj line	Nil	Nil
2.	SHPS Hydel unit I & II =50 MW		221000 JAPLA 132.00 30			
			221002 AJITPUR 132.00 60			
			221003 RAJKSWN 132.00 29			
			221004 MANIQUE 132.00 46			
			221005 PATRATU 132.00 28			
			221008 GOELKRA 132.00 28			
			221010 KENDOPSI 132.00 30			
			221011 GOLMURI 132.00 63			
			221012 JADUGORA 132.00 35			
			221013 NOAMUNDI 132.00 29			
			221014 LALMATIA 132.00 46			
			221015 DEOGHAR 132.00 58			
			221016 NAMKUM 132.00 135			
			221017 KAMDARA 132.00 32			
			221018 JAMTARA 132.00 62			
			221019 GARWAH 132.00 66			
			221020 LOHARDAGA 132.00 55			
			221021 HATIAI 132.00 138			
			221023 TOLRA 132.00 0.154			
			221024 HEC1 132.00 12			
			221025 LODHMA 132.00 0.154			
			221027 DUMKA 132.00 50			
			221028 SAHEBGANJ 132.00 12			
			221029 CHAKRADPUR 132.00 12			
			221034 DALTONGANJ 132.00 72			
			221041 CHAIBASA NEW 132.00 32			
			221044 KANKE 132.00 85			
			221046 TAMAR 132.00 30			
			221047 TATISIL RLY 132.00 0.404			
			221048 BAKASPUR RLY 132.00 0.389			
			221049 GUMLA 132.00 35			
			221050 RKS N RLY 132.00 0.31			
			221053 CHAIBASA RLY 132.00 10			
			221054 GOILKERA RLY 132.00 0.16			
			221056 KENDOPSI RLY 132.00 0.154			
			221057 CKP RLY 132.00 0.154			
			221058 DALBUNGARH 132.00 39			
			221060 MADHUPUR 132.00 26			
			221061 JAMTARA RLY 132.00 15			
			221062 DEOGHAR RLY 132.00 8			
			221063 PAKUR 132.00 66			
			221064 LATEHAR 132.00 38			
			221065 MANOHARPUR 132.00 5.571			
			221066 BANO RLY 132.00 3.003			
			221067 MANGO 132.00 41			
			221068 SIMDEGA 132.00 24			
			221069 RAJMAHAL 132.00 32			
			221070 SHREE CEMENT 132.00 2.058			
			221071 KHUNTI 132.00 22			
		221072 GOVINDPUR 132.00 42				
		221073 KARAMTOLA RL 132.00 5				
		221074 GODDA 132.00 47				
		221075 JASIDIH 132.00 42				
		221076 GIRIDIH 132.00 42				
		221077 SARIA 132.00 32				
		221078 JAMUA 132.00 42				
		221079 GARHWA NEW 132.00 45				
		221081 CHITRA 132.00 30				
		221083 GIS RANCHI 33.000 1.132				
		221084 NAGARUNTARI 132.00 15				
		221085 CHATRA 132.00 45				
		221086 RATU 132.00 40				
		221087 JARMUNDI 132.00 14				
		221089 JAINAMORE 132.00 21				
		221090 CHANDANKYARI 132.00 22				
		221091 BARHAT 132.00 14				
		221092 KUNDHIT 132.00 10				
		TOTAL 2192.643				

(10)

TTC/ATC calculation of JUSNL for month: November- 2025

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	2100 MW	46 MW	2054 MW	JUSNL internal limiting element are :- 1. 132 KV Maithon-Jamtara T/L 2. 132 KV Kahalgaon-Lalmatia 3. 220 kV Maithon-Dumka New D/C Max Possible Generation for November 2025-450 MW Total load = 2297 MW Total Generation = 271 MW

Assumptions for Import TTC:

Sl. No.	Station wise (MW) Generation considered (132kv & above)	Injection (+)/ Withdrawal (-) MW considered for each embedded IPI at 132kv & above(if any)	Station wise demand(MW) Considered (132kv & above)	Lines/ elements considered to be normally switched off or under forced outage(if any)	Generati ng units under forced outage(if any)	SPS consi dered (if any)																																																																																																																																																																																																															
1.	TTPS unit I&II = 150 MW	3. CPP+IPP = 71 MW	<table><tr><th>Bus Number</th><th>Bus Name</th><th>Pload (MW)</th></tr><tr><td>221000</td><td>JAPLA 132.00</td><td>35</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>66</td></tr><tr><td>221003</td><td>RAJKSWN 132.00</td><td>31</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>49</td></tr><tr><td>221005</td><td>PATRATU 132.00</td><td>25</td></tr><tr><td>221008</td><td>GOELKRA 132.00</td><td>28</td></tr><tr><td>221010</td><td>KENDPOSI 132.00</td><td>28</td></tr><tr><td>221011</td><td>GOLMURI 132.00</td><td>70</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>37</td></tr><tr><td>221013</td><td>NOAMUNDI 132.00</td><td>29</td></tr><tr><td>221014</td><td>LALMATIA 132.00</td><td>50</td></tr><tr><td>221015</td><td>DEOGHAR 132.00</td><td>60</td></tr><tr><td>221016</td><td>NAMKUM 132.00</td><td>136</td></tr><tr><td>221017</td><td>KAMDARA 132.00</td><td>30</td></tr><tr><td>221018</td><td>JAMTARA 132.00</td><td>62</td></tr><tr><td>221019</td><td>GARWAH 132.00</td><td>67</td></tr><tr><td>221020</td><td>LOHARDAGA 132.00</td><td>60</td></tr><tr><td>221021</td><td>HATIAI 132.00</td><td>143</td></tr><tr><td>221023</td><td>TOLRA 132.00</td><td>0.154</td></tr><tr><td>221024</td><td>HECI 132.00</td><td>12</td></tr><tr><td>221025</td><td>LODHMA 132.00</td><td>0.154</td></tr><tr><td>221027</td><td>DUMKA 132.00</td><td>58</td></tr><tr><td>221028</td><td>SAHEBGANJ 132.00</td><td>40</td></tr><tr><td>221029</td><td>CHAKRADPUR 132.00</td><td>15</td></tr><tr><td>221034</td><td>DALTONGANJ 132.00</td><td>66</td></tr><tr><td>221041</td><td>CHAIBASA NEW132.00</td><td>33</td></tr><tr><td>221044</td><td>KANKE 132.00</td><td>90</td></tr><tr><td>221046</td><td>TAMAR 132.00</td><td>44</td></tr><tr><td>221047</td><td>TATISIL RLY 132.00</td><td>0.404</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>0.389</td></tr><tr><td>221049</td><td>GUMLA 132.00</td><td>40</td></tr><tr><td>221050</td><td>RKSN RLY 132.00</td><td>0.31</td></tr><tr><td>221053</td><td>CHAIBASA RUN132.00</td><td>10</td></tr><tr><td>221054</td><td>GOILKERA RLY132.00</td><td>0.16</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>0.154</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.154</td></tr><tr><td>221058</td><td>DALBUMGARH 132.00</td><td>40</td></tr><tr><td>221060</td><td>MADHUPUR 132.00</td><td>25</td></tr><tr><td>221061</td><td>JAMTAPA RLY 132.00</td><td>15</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>8</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>64</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>42</td></tr><tr><td>221065</td><td>MANOHARPUR 132.00</td><td>5.571</td></tr><tr><td>221066</td><td>BANO RLY 132.00</td><td>3.003</td></tr><tr><td>221067</td><td>MANGO 132.00</td><td>44</td></tr><tr><td>221068</td><td>SIMDEGA 132.00</td><td>25</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>32</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>2.058</td></tr><tr><td>221071</td><td>KHUNTI 132.00</td><td>29</td></tr><tr><td>221072</td><td>GOVINDPUR 132.00</td><td>58</td></tr><tr><td>221073</td><td>KARAMTOLA RL132.00</td><td>5</td></tr><tr><td>221074</td><td>GODDA 132.00</td><td>50</td></tr><tr><td>221075</td><td>JASIDIH 132.00</td><td>45</td></tr><tr><td>221076</td><td>GIRIDIH 132.00</td><td>44</td></tr><tr><td>221077</td><td>SARIA 132.00</td><td>35</td></tr><tr><td>221078</td><td>JAMUA 132.00</td><td>40</td></tr><tr><td>221079</td><td>GARHWA NEW 132.00</td><td>48</td></tr><tr><td>221081</td><td>CHITRA 132.00</td><td>28</td></tr><tr><td>221083</td><td>GIS RANCHI 33.000</td><td>1.132</td></tr><tr><td>221084</td><td>NAGARUNTARI 132.00</td><td>15</td></tr><tr><td>221085</td><td>CHATRA 132.00</td><td>45</td></tr><tr><td>221086</td><td>RATU132 132.00</td><td>46</td></tr><tr><td>221087</td><td>JARMUNDI 132.00</td><td>15</td></tr><tr><td>221089</td><td>JAINAMORE 132.00</td><td>25</td></tr><tr><td>221090</td><td>CHANDANKYARI132.00</td><td>22</td></tr><tr><td>221091</td><td>BARHAIT 132.00</td><td>15</td></tr><tr><td>221092</td><td>KUNDHIT 132.00</td><td>10</td></tr><tr><td></td><td>TOTAL</td><td>2297.643</td></tr></table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	35	221002	ADITPUR 132.00	66	221003	RAJKSWN 132.00	31	221004	MANIQUE 132.00	49	221005	PATRATU 132.00	25	221008	GOELKRA 132.00	28	221010	KENDPOSI 132.00	28	221011	GOLMURI 132.00	70	221012	JADUGORA 132.00	37	221013	NOAMUNDI 132.00	29	221014	LALMATIA 132.00	50	221015	DEOGHAR 132.00	60	221016	NAMKUM 132.00	136	221017	KAMDARA 132.00	30	221018	JAMTARA 132.00	62	221019	GARWAH 132.00	67	221020	LOHARDAGA 132.00	60	221021	HATIAI 132.00	143	221023	TOLRA 132.00	0.154	221024	HECI 132.00	12	221025	LODHMA 132.00	0.154	221027	DUMKA 132.00	58	221028	SAHEBGANJ 132.00	40	221029	CHAKRADPUR 132.00	15	221034	DALTONGANJ 132.00	66	221041	CHAIBASA NEW132.00	33	221044	KANKE 132.00	90	221046	TAMAR 132.00	44	221047	TATISIL RLY 132.00	0.404	221048	BAKASPUR RLY132.00	0.389	221049	GUMLA 132.00	40	221050	RKSN RLY 132.00	0.31	221053	CHAIBASA RUN132.00	10	221054	GOILKERA RLY132.00	0.16	221056	KENDPOSI RLY132.00	0.154	221057	CKP RLY 132.00	0.154	221058	DALBUMGARH 132.00	40	221060	MADHUPUR 132.00	25	221061	JAMTAPA RLY 132.00	15	221062	DEOGHAR RLY 132.00	8	221063	PAKUR 132.00	64	221064	LATEHAR 132.00	42	221065	MANOHARPUR 132.00	5.571	221066	BANO RLY 132.00	3.003	221067	MANGO 132.00	44	221068	SIMDEGA 132.00	25	221069	RAJMAHAL 132.00	32	221070	SHREE CEMENT132.00	2.058	221071	KHUNTI 132.00	29	221072	GOVINDPUR 132.00	58	221073	KARAMTOLA RL132.00	5	221074	GODDA 132.00	50	221075	JASIDIH 132.00	45	221076	GIRIDIH 132.00	44	221077	SARIA 132.00	35	221078	JAMUA 132.00	40	221079	GARHWA NEW 132.00	48	221081	CHITRA 132.00	28	221083	GIS RANCHI 33.000	1.132	221084	NAGARUNTARI 132.00	15	221085	CHATRA 132.00	45	221086	RATU132 132.00	46	221087	JARMUNDI 132.00	15	221089	JAINAMORE 132.00	25	221090	CHANDANKYARI132.00	22	221091	BARHAIT 132.00	15	221092	KUNDHIT 132.00	10		TOTAL	2297.643	1. 132KV MNQ – MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line 3. 132KV Deoghar-Sultanganj line	Nil	Nil
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Import of Jharkhand Transfer Capability for December-24

S.N	Corridor/Control Area	Date	Time Period	Time Blocks	Total Transfer Capability (TTC) (MW)	Reliability Margin (RM) (MW)	Available Transfer Capability (ATC) (MW)	Approved GNA (MW)	Margin for T- GNA (MW)	Changes in TTC w.r.t last revision	Remarks
1	JUSNL	1.12.24 to 31.12.24	00 to 24 hrs	1 to 96	1992	44	1948	1580	368		Max. gen-450 MW, Load-2192 MW

Limiting Constraints :-

1. 132 KV Kahalgaon-Lalmatia
2. 220 kv Maithion-Dumka New D/C
3. 132 KV Maithon-Jamtara

Import of Jharkhand Transfer Capability for November-24

S.N	Corridor/Control Area	Date	Time Period	Time Blocks	Total Transfer Capability (TTC) (MW)	Reliability Margin (RM) (MW)	Available Transfer Capability (ATC) (MW)	Approved GNA (MW)	Margin for T- GNA (MW)	Changes in TTC w.r.t last revision	Remarks
1	JUSNL	1.11.24 to 30.11.24	00 to 24 hrs	1 to 96	1967	42	1925	1580	345		Max. gen-450 MW, Load-2112 .. MW
Limiting Constraints :- 1. 132 KV Kahalgaon-Lalmatia 2. 220 kv Maithion-Dumka New D/C											