



JHARKHAND URJA SANCHARN NIGAM LIMITED

Office of the General Manager, SLDC, JUSNL,

Kusai Colony, Doranda, Ranchi

Phone: 0651-2490090, Fax: 0651-2490486, Email: sldcranchi@gmail.com

Letter No. _____ ' SLDC, Ranchi,

Dated, _____ /

From,

**Arun Kumar
General Manager
SLDC, Ranchi**

To,

**Executive Director, ERLDC
14, Golf Club Road, Tollygunj
Kolkata- 700033**

**Sub: TTC/ATC Calculation report of JUSNL for the month of December-2025 &
January- 2026.**

Sir,

With reference to the above, please find the enclosed TTC/ATC Calculation report of JUSNL for the month of December-2025 & January- 2026.

Encl: As above

Yours faithfully

Sd/-

**(Arun Kumar)
General Manager, SLDC**

Memo No. _____ ' SLDC, Ranchi,

Dated _____

Copy submitted to Member Secretary, ERPC, Kolkata for Kind information.

Sd/-

**(Arun Kumar)
General Manager, SLDC**

Memo No. 10 ' SLDC, Ranchi,

Dated 08.01.2025

Copy submitted to GM (IT), JUSNL for uploading it on the website of JUSNL.

**(Arun Kumar)
General Manager, SLDC**

*04/GM (I.T.)
09/01/2025*
*Dy. Secy
G.O.
09/01/2025*

NR

TTC/ATC calculation of JUSNL for month: December- 2025**Import TTC:**

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	2023 MW	45 MW	1978 MW	JUSNL internal limiting element are :- 1. 132 KV Maithon-Jamtara T/L 2. 132 KV Kahalgaon-Lalmatia 3. 220 kV Maithion-Dumka New D/C Max Possible Generation for December 2025-450 MW Total load = 2235 MW Total Generation = 288 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 = 165 MW	3. CPP+IPP = 73 MW	<table><thead><tr><th>Bus Number</th><th>Bus Name</th><th>Pload (MW)</th></tr></thead><tbody><tr><td>221000</td><td>JAPLA 132.00</td><td>29</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>56</td></tr><tr><td>221003</td><td>RAJKSWN 132.00</td><td>29</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>40</td></tr><tr><td>221005</td><td>PATRATU 132.00</td><td>28</td></tr><tr><td>221008</td><td>GOELKRA 132.00</td><td>29</td></tr><tr><td>221010</td><td>KENDPOSI 132.00</td><td>32</td></tr><tr><td>221011</td><td>GOLMURI 132.00</td><td>62</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>35</td></tr><tr><td>221013</td><td>NOAMUNDI 132.00</td><td>30</td></tr><tr><td>221014</td><td>LALMATIA 132.00</td><td>45</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>130</td></tr><tr><td>221017</td><td>KAMDARA 132.00</td><td>33</td></tr><tr><td>221018</td><td>JAMTARA 132.00</td><td>60</td></tr><tr><td>221019</td><td>GARWAH 132.00</td><td>50</td></tr><tr><td>221020</td><td>LOHARDAGA 132.00</td><td>60</td></tr><tr><td>221021</td><td>HATIA1 132.00</td><td>140</td></tr><tr><td>221023</td><td>TOLRA 132.00</td><td>30</td></tr><tr><td>221024</td><td>HEC1 132.00</td><td>10</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>56</td></tr><tr><td>221028</td><td>SAHEBGANJ 132.00</td><td>42</td></tr><tr><td>221029</td><td>CHAKRADPUR 132.00</td><td>12</td></tr><tr><td>221034</td><td>DALTONGANJ 132.00</td><td>70</td></tr><tr><td>221041</td><td>CHAIBASA NEW132.00</td><td>32</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>30</td></tr><tr><td>221047</td><td>TATISIL RLY 132.00</td><td>12</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>38</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>26</td></tr><tr><td>221061</td><td>JAMTARA RLY 132.00</td><td>15</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>15</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>65</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>35</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>36</td></tr><tr><td>221068</td><td>SIMDEGA 132.00</td><td>24</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>32</td></tr><tr><td>221070</td><td>SHREE 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TTC/ATC calculation of JUSNL for month: January- 2026

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	2084 MW	46 MW	2038 MW	JUSNL internal limiting element are :- 1. 132 KV Maithon-Jamtara T/L 2. 132 KV Kahalgaon-Lalmatia T/L 3. 132 KV Kahalgaon(BSPTCL)-Lalmatia T/L 4. 220 kV Maithon-Dumka New D/C Max Possible Generation for December 2025-450 MW Total load = 2293 MW Total Generation = 288 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 = 165 MW	3. CPP+IPP = 73 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	ADITPUR 132.00	58			
			221005	RAJKSWN 132.00	30			
			221004	MANIQUE 132.00	42			
			221005	PATRATU 132.00	30			
			221005	GOELKRA 132.00	30			
			221010	KENDPOSI 132.00	38			
			221011	GOLMURI 132.00	65			
			221012	JADUGORA 132.00	38			
			221013	NOAMUNDI 132.00	32			
			221014	LALMATIA 132.00	45			
			221015	DEOGHAR 132.00	60			
			221016	NAMKUM 132.00	132			
			221017	KAMDARA 132.00	34			
			221018	JAMTARA 132.00	60			
			221019	GARWAH 132.00	52			
			221020	LOHARDAGA 132.00	62			
			221021	HATIAI 132.00	140			
			221023	TOLRA 132.00	30			
			221024	HEC1 132.00	12			
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			221027	DUMKA 132.00	56			
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			221044	KANKE 132.00	90			
			221046	TAMAR 132.00	32			
			221047	TATISIL RLY 132.00	12			
			221048	SAKASPUR RLY 132.00	0.329			
			221049	GUMLA 132.00	40			
			221050	RKSN RLY 132.00	0.31			
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			221063	PAKUR 132.00	65			
			221064	LATSHAR 132.00	35			
			221065	MANOHARPUR 132.00	5.571			
			221066	SANO RLY 132.00	1.008			
			221067	MANGO 132.00	36			
			221068	SIMDEGA 132.00	25			
			221069	RAJMAHAL 132.00	32			
			221070	SHREECEMENT 132.00	2.058			
			221071	KHUNTI 132.00	26			
221072	GOVINDPUR 132.00	55						
221073	KARAMTOLA RLY 132.00	5						
221074	GODDA 132.00	50						
221075	JASIDIH 132.00	42						
221076	GIRIDIH 132.00	45						
221077	SARIA 132.00	35						
221078	JAMUA 132.00	42						
221079	GARHWA NEW 132.00	45						
221081	CHITRA 132.00	30						
221083	GIS RANCHI 33.000	10						
221084	NAGARUNTARI 132.00	15						
221085	CHATRA 132.00	45						
221086	PATU 132 132.00	42						
221087	JARMUNDI 132.00	12						
221089	JAINAMORE 132.00	25						
221090	CHANDANKYARI 132.00	22						
221091	SARHAIT 132.00	15						
221092	KUNDHIT 132.00	12						
	TOTAL LOAD	2292.953						