



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 September-2025 & August-2026.

Sir,

With reference to the above, please find the enclosed TTC/ ATC Calculation report of JUSNL for the month of September-2025 & August-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. 376 ' SLDC, Ranchi,

Dated 13.08.2025

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

APK
13.08.25

(Arun Kumar)
General Manager, SLDC

DGM/IT
13/8/25

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

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1766 MW	41 MW	1725 MW	JUSNL internal limiting element are :- 1. 220 kV Maithion-Dumka New D/C 2. 132 Kv Hatia2-Hatia1 Ckt.3 3. 220KV Daltonganj-Latehar Ckt.1 Max Possible Generation for Sep' 2025-1150 MW Total load = 2066 MW Total Generation = 365 MW

Assumptions for Import TTC:

Import TFC: Total Generation = 365 MW																																																																																																																																																																																																																								
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 = 290 MW	3. CPP+IPP = 75 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>27</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>65</td></tr><tr><td>221003</td><td>RAJKSWN 132.00</td><td>26</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>42</td></tr><tr><td>221005</td><td>PATRATU 132.00</td><td>24</td></tr><tr><td>221008</td><td>GOELKRA 132.00</td><td>23</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>66</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>28</td></tr><tr><td>221013</td><td>NOAMUNDI 132.00</td><td>28</td></tr><tr><td>221014</td><td>LALMATIA 132.00</td><td>40</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>118</td></tr><tr><td>221017</td><td>KAMDARA 132.00</td><td>23</td></tr><tr><td>221018</td><td>JAMTARA 132.00</td><td>42</td></tr><tr><td>221019</td><td>GARWAH 132.00</td><td>53</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>125</td></tr><tr><td>221023</td><td>TOLRA 132.00</td><td>16.585</td></tr><tr><td>221024</td><td>HEC1 132.00</td><td>12</td></tr><tr><td>221025</td><td>LODHMA 132.00</td><td>0.085</td></tr><tr><td>221027</td><td>DUMKA 132.00</td><td>51</td></tr><tr><td>221028</td><td>SAHEBGANJ 132.00</td><td>32</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>60</td></tr><tr><td>221041</td><td>CHAIBASA NEW132.00</td><td>28</td></tr><tr><td>221044</td><td>KANKE 132.00</td><td>80</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>13.783</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>10.107</td></tr><tr><td>221049</td><td>GUMLA 132.00</td><td>32</td></tr><tr><td>221050</td><td>RKSN RLY 132.00</td><td>16.585</td></tr><tr><td>221053</td><td>CHAIBASA RUN132.00</td><td>6</td></tr><tr><td>221054</td><td>GOILKERA RLY132.00</td><td>3.318</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>3.869</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.085</td></tr><tr><td>221058</td><td>DALBUMGARH 132.00</td><td>39</td></tr><tr><td>221060</td><td>MADHUPUR 132.00</td><td>24</td></tr><tr><td>221061</td><td>JAMTARA RLY 132.00</td><td>8.294</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>4.422</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>58</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>34</td></tr><tr><td>221065</td><td>MANOHARPUR 132.00</td><td>5</td></tr><tr><td>221066</td><td>BANO RLY 132.00</td><td>1.66</td></tr><tr><td>221067</td><td>MANGO 132.00</td><td>42</td></tr><tr><td>221068</td><td>SIMDEGA 132.00</td><td>20</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>25</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>1.138</td></tr><tr><td>221071</td><td>KHUNTI 132.00</td><td>26</td></tr><tr><td>221072</td><td>GOVINDPUR 132.00</td><td>60</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>46</td></tr><tr><td>221075</td><td>JASIDIH 132.00</td><td>40</td></tr><tr><td>221076</td><td>GIRIDIH 132.00</td><td>32</td></tr><tr><td>221077</td><td>SARIA 132.00</td><td>26</td></tr><tr><td>221078</td><td>JAMUA 132.00</td><td>30</td></tr><tr><td>221079</td><td>GARHWA NEW 132.00</td><td>42</td></tr><tr><td>221081</td><td>CHITRA 132.00</td><td>25</td></tr><tr><td>221083</td><td>GIS RANCHI 33.000</td><td>3</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>40</td></tr><tr><td>221086</td><td>RATU132 132.00</td><td>40</td></tr><tr><td>221087</td><td>JARMUNDI 132.00</td><td>10</td></tr><tr><td>221089</td><td>JAINAMORE 132.00</td><td>19</td></tr><tr><td>221090</td><td>CHANDANKYARI132.00</td><td>22</td></tr><tr><td>221091</td><td>BARHAIT 132.00</td><td>14</td></tr><tr><td>221092</td><td>KUNDHIT 132.00</td><td>10</td></tr><tr><td>221094</td><td>BAHRAGODA 132.00</td><td>18</td></tr><tr><td colspan="2">TOTAL LOAD</td><td>2070.931</td></tr></tbody></table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	27	221002	ADITPUR 132.00	65	221003	RAJKSWN 132.00	26	221004	MANIQUE 132.00	42	221005	PATRATU 132.00	24	221008	GOELKRA 132.00	23	221010	KENDPOSI 132.00	28	221011	GOLMURI 132.00	66	221012	JADUGORA 132.00	28	221013	NOAMUNDI 132.00	28	221014	LALMATIA 132.00	40	221015	DEOGHAR 132.00	60	221016	NAMKUM 132.00	118	221017	KAMDARA 132.00	23	221018	JAMTARA 132.00	42	221019	GARWAH 132.00	53	221020	LOHARDAGA 132.00	60	221021	HATIA1 132.00	125	221023	TOLRA 132.00	16.585	221024	HEC1 132.00	12	221025	LODHMA 132.00	0.085	221027	DUMKA 132.00	51	221028	SAHEBGANJ 132.00	32	221029	CHAKRADPUR 132.00	12	221034	DALTONGANJ 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Import of Jharkhand Transfer Capability for September-2025

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	1.09.25 to 30.09.25	00 to 24 hrs	1 to 96	1766	41	1725	1590	135		Total gen-365 MW, Load-2066 MW

Limiting Constraints :-

1. 220 kv Maithon-Dumka New D/C
2. 132 KV Hata2-Hata1 Ckt.3
3. 220KV Dalongang-Latchar Ckt.1

TTC/ATC calculation of JUSNL for month: August- 2026
Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1566 MW	45 MW	1521 MW	JUSNL internal limiting element are :- 1. 220 kV Maithion-Dumka New D/C 2. 132 Kv Hatia2-Hatia1 Ckt.3 3. 220KV Daltonganj-Latehar Ckt1 Max Possible Generation for Aug' 2026=1210 MW Total load = 2232 MW Total Generation = 740 MW