



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,

Umesh Prasad Singh
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 January 2026 & December-2026.

Sir,

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

Encl: As above

Yours faithfully,

Sd/-

(Umesh Prasad Singh)
General Manager, SLDC

Memo No. _____ ' SLDC, Ranchi,

Dated _____

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

Sd/-

(Umesh Prasad Singh)
General Manager, SLDC

Memo No. 524, SLDC, Ranchi,

Dated 11.12.2025

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

11/12/25
(Umesh Prasad Singh)
General Manager, SLDC

214/G.M (I.T)
11/12/2025

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	1776 MW	42 MW	1734 MW	JUSNL internal limiting element are :- 1. 132 Kv Hatia2-Hatia1 Ckt.3 2. 132 KV Lalmatia-Kahalgaon(NTPC) Max Possible Generation for JAN' 2026-1150 MW Total load = 2086 MW Total Generation = 363 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)																																																																																																																																																																																																																		
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CPP+IPP = 73 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>27</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>52</td></tr><tr><td>221003</td><td>RAJKSWN 132.00</td><td>18</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>38</td></tr><tr><td>221005</td><td>PATRATU 132.00</td><td>26</td></tr><tr><td>221008</td><td>GOELKRA 132.00</td><td>20</td></tr><tr><td>221010</td><td>KENDPOSI 132.00</td><td>22</td></tr><tr><td>221011</td><td>GOLMURI 132.00</td><td>58</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>32</td></tr><tr><td>221013</td><td>NOAMUNDI 132.00</td><td>32</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>50</td></tr><tr><td>221016</td><td>NAMKUM 132.00</td><td>122</td></tr><tr><td>221017</td><td>KAMDARA 132.00</td><td>32</td></tr><tr><td>221018</td><td>JAMTARA 132.00</td><td>50</td></tr><tr><td>221019</td><td>GARWAH 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132.00</td><td>12.05</td></tr><tr><td>221053</td><td>CHAIBASA RUN132.00</td><td>4.36</td></tr><tr><td>221054</td><td>GOILKERA RLY132.00</td><td>2.411</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>2.811</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.061</td></tr><tr><td>221058</td><td>DALBUMGARH 132.00</td><td>38</td></tr><tr><td>221060</td><td>MADHUPUR 132.00</td><td>23</td></tr><tr><td>221061</td><td>JAMTARA RLY 132.00</td><td>6.026</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>3.213</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>26</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>1.206</td></tr><tr><td>221067</td><td>MANGO 132.00</td><td>38</td></tr><tr><td>221068</td><td>SIMDEGA 132.00</td><td>21</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>26</td></tr><tr><td>221070</td><td>SHREE 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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	01.01.26 to 31.01.26	00 to 24 hrs	1 to 96	1776	42	1734	1590	144		Total gen-363 MW, Load-2086 MW

Limiting Constraints:-

1. 132 kV Hatia2-Hatia1 3rd Ckt.
2. 132 kV Lalmatia-Kahalgoan (NTPC)

TTC/ATC calculation of JUSNL for month: December- 2026

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Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1553 MW	46 MW	1507 MW	JUSNL internal limiting element are :- 1. 132 Kv Hatia2-Hatia1 Ckt.3 2. 132 Kv Lalmatia- Kahalgaon (NTPC) T/L 3. 220kV Daltonganj-Latehar Ckt-01 4. 220kV Maithon-Dumka New D/C Max Possible Generation for Dec' 2026-1245 MW Total load = 2334 MW Total Generation = 855 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 dere d (if any)																																																																																																																																																																																																																		
1.	TTPS unit I&II = 180 MW	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>32</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>28</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>45</td></tr><tr><td>221005</td><td>PATRATU 132.00</td><td>26</td></tr><tr><td>221008</td><td>GOELKRA 132.00</td><td>24</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>62</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>33</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>46</td></tr><tr><td>221015</td><td>DEOGHAR 132.00</td><td>62</td></tr><tr><td>221016</td><td>NAMKUM 132.00</td><td>140</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>60</td></tr><tr><td>221019</td><td>GARWAH 132.00</td><td>65</td></tr><tr><td>221020</td><td>LOHARDAGA 132.00</td><td>72</td></tr><tr><td>221021</td><td>HATIA1 132.00</td><td>145</td></tr><tr><td>221023</td><td>TOLRA 132.00</td><td>20.95</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>0.091</td></tr><tr><td>221027</td><td>DUMKA 132.00</td><td>63</td></tr><tr><td>221028</td><td>SAHEBGANJ 132.00</td><td>35</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>92</td></tr><tr><td>221046</td><td>TAMAR 132.00</td><td>32</td></tr><tr><td>221047</td><td>TATISIL RLY 132.00</td><td>8.812</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>5.875</td></tr><tr><td>221049</td><td>GUMLA 132.00</td><td>34</td></tr><tr><td>221050</td><td>RKSN RLY 132.00</td><td>17.622</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>3.525</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>4.111</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.091</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>8.812</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>4.698</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>66</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>41</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>1.764</td></tr><tr><td>221067</td><td>MANGO 132.00</td><td>45</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>28</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>1.21</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>76</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>55</td></tr><tr><td>221075</td><td>JASIDIH 132.00</td><td>41</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>28</td></tr><tr><td>221078</td><td>JAMUA 132.00</td><td>32</td></tr><tr><td>221079</td><td>GARHWA NEW 132.00</td><td>46</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>5.064</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>42</td></tr><tr><td>221087</td><td>JARMUNDI 132.00</td><td>12</td></tr><tr><td>221089</td><td>JAINAMORE 132.00</td><td>26</td></tr><tr><td>221090</td><td>CHANDANKYARI132.00</td><td>25</td></tr><tr><td>221091</td><td>BARHAIT 132.00</td><td>20</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>23</td></tr><tr><td colspan="2">Total Load</td><td>2333.625</td></tr></tbody></table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	32	221002	ADITPUR 132.00	65	221003	RAJKSWN 132.00	28	221004	MANIQUE 132.00	45	221005	PATRATU 132.00	26	221008	GOELKRA 132.00	24	221010	KENDPOSI 132.00	28	221011	GOLMURI 132.00	62	221012	JADUGORA 132.00	33	221013	NOAMUNDI 132.00	30	221014	LALMATIA 132.00	46	221015	DEOGHAR 132.00	62	221016	NAMKUM 132.00	140	221017	KAMDARA 132.00	30	221018	JAMTARA 132.00	60	221019	GARWAH 132.00	65	221020	LOHARDAGA 132.00	72	221021	HATIA1 132.00	145	221023	TOLRA 132.00	20.95	221024	HEC1 132.00	12	221025	LODHMA 132.00	0.091	221027	DUMKA 132.00	63	221028	SAHEBGANJ 132.00	35	221029	CHAKRADPUR 132.00	12	221034	DALTONGANJ 132.00	70	221041	CHAIBASA NEW132.00	32	221044	KANKE 132.00	92	221046	TAMAR 132.00	32	221047	TATISIL RLY 132.00	8.812	221048	BAKASPUR RLY132.00	5.875	221049	GUMLA 132.00	34	221050	RKSN RLY 132.00	17.622	221053	CHAIBASA RUN132.00	10	221054	GOILKERA RLY132.00	3.525	221056	KENDPOSI RLY132.00	4.111	221057	CKP RLY 132.00	0.091	221058	DALBUMGARH 132.00	40	221060	MADHUPUR 132.00	26	221061	JAMTARA RLY 132.00	8.812	221062	DEOGHAR RLY 132.00	4.698	221063	PAKUR 132.00	66	221064	LATEHAR 132.00	41	221065	MANOHARPUR 132.00	5	221066	BANO RLY 132.00	1.764	221067	MANGO 132.00	45	221068	SIMDEGA 132.00	25	221069	RAJMAHAL 132.00	28	221070	SHREE CEMENT132.00	1.21	221071	KHUNTI 132.00	29	221072	GOVINDPUR 132.00	76	221073	KARAMTOLA RL132.00	5	221074	GODDA 132.00	55	221075	JASIDIH 132.00	41	221076	GIRIDIH 132.00	32	221077	SARIA 132.00	28	221078	JAMUA 132.00	32	221079	GARHWA NEW 132.00	46	221081	CHITRA 132.00	28	221083	GIS RANCHI 33.000	5.064	221084	NAGARUNTARI 132.00	15	221085	CHATRA 132.00	45	221086	RATU132 132.00	42	221087	JARMUNDI 132.00	12	221089	JAINAMORE 132.00	26	221090	CHANDANKYARI132.00	25	221091	BARHAIT 132.00	20	221092	KUNDHIT 132.00	10	221094	BAHRAGODA 132.00	23	Total Load		2333.625	1. 132KV MNQ - MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line	Nil	Nil
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