



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 July-2024.

Sir,

With reference to the above, please find the enclosed TTC/ATC Calculation report of JUSNL for the month of July-2024.

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. 242 ' SLDC, Ranchi,

Dated 12.06.2024

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

Arun
12.06.24

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

177

TTC/ATC calculation of JUSNL for month: July- 2024

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	2005 MW	44 MW	1961 MW	JUSNL internal limiting element are :- 132 KV Maithon-Jamtara T/L 132 KV Kahalgaon-Lalmatia 132 KV Adityapur-RKSN T/L 132 KV ADP-RCP T/L 220 kV Maithion-Dumka New D/C Max Possible Generation for July 2024-470 MW Total load =2226 MW Total Generation = 285 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 = 70 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>32</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>55</td></tr><tr><td>221003</td><td>RAIKSWN 132.00</td><td>28</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>50</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>28</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>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>132</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>65</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>50</td></tr><tr><td>221021</td><td>HATIAL 132.00</td><td>138</td></tr><tr><td>221023</td><td>TOURA 132.00</td><td>0.1944</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>0.1944</td></tr><tr><td>221027</td><td>DUMKA 132.00</td><td>62</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>30</td></tr><tr><td>221044</td><td>KANKE 132.00</td><td>50</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>0.5073</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>0.4876</td></tr><tr><td>221049</td><td>GUMLA 132.00</td><td>30</td></tr><tr><td>221050</td><td>RKSN RLY 132.00</td><td>0.3859</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>0.2013</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>0.1944</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.1944</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>28</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>8.0873</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>60</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>45</td></tr><tr><td>221065</td><td>MANOHARPUR 132.00</td><td>8</td></tr><tr><td>221066</td><td>BANO RLY 132.00</td><td>3.7732</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>30</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>35</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>2.5859</td></tr><tr><td>221071</td><td>KHUNTI 132.00</td><td>25</td></tr><tr><td>221072</td><td>GOVINDPUR 132.00</td><td>50</td></tr><tr><td>221073</td><td>KARAMTOLA RL132.00</td><td>5.312</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>45</td></tr><tr><td>221077</td><td>SARIA 132.00</td><td>30</td></tr><tr><td>221078</td><td>JAMUA 132.00</td><td>45</td></tr><tr><td>221079</td><td>GARHWA NEW 132.00</td><td>50</td></tr><tr><td>221081</td><td>CHITRA 132.00</td><td>30</td></tr><tr><td>221083</td><td>GISRANCHI 39.000</td><td>1.4222</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>RATUL32 132.00</td><td>38</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>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>5</td></tr><tr><td>221092</td><td>KUNDHIT 132.00</td><td>2</td></tr><tr><td colspan="2">Total</td><td>2225.5443</td></tr></table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	32	221002	ADITPUR 132.00	55	221003	RAIKSWN 132.00	28	221004	MANIQUE 132.00	50	221005	PATRATU 132.00	28	221008	GOELKRA 132.00	28	221010	KENDPOSI 132.00	32	221011	GOLMURI 132.00	62	221012	JADUGORA 132.00	35	221013	NOAMUNDI 132.00	30	221014	LALMATIA 132.00	50	221015	DEOGHAR 132.00	60	221016	NAMKUM 132.00	132	221017	KAMDARA 132.00	32	221018	JAMTARA 132.00	65	221019	GARWAH 132.00	65	221020	LOHARDAGA 132.00	50	221021	HATIAL 132.00	138	221023	TOURA 132.00	0.1944	221024	HECI 132.00	12	221025	LODHMA 132.00	0.1944	221027	DUMKA 132.00	62	221028	SAHEBGANJ 132.00	42	221029	CHAKRADPUR 132.00	12	221034	DALTONGANJ 132.00	70	221041	CHAIBASA NEW132.00	30	221044	KANKE 132.00	50	221046	TAMAR 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Import of Jharkhand Transfer Capability for July-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	1.07.24 to 31.07.24	00 to 24 hrs	1 to 96	2005	44	1961	1580	381		Max. gen-470 MW, Load-2226 MW

Limiting Constraints :-

1. 132 KV Maithon-Jamtara T/L
2. 132 KV Kahalgaon-Lalmata
3. 132 KV Adityapur-RKSN T/L
4. 132 KV ADP-RCP T/L
5. 220 kv Maithon-Dumka New D/C