

TTC/ATC calculation of JUSNL for month: Aug 2023

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1617MW	41MW	1576MW	JUSNL internal limiting element are:- 132 KV Maithon-Jamtara T/L 132 KV Kahalgaon-Lalmatia 132 Adityapur-RKSN Max Possible Generation for Aug-500 MW Total load =2062 MW Total Generation = 500 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)	Generating units under forced outage(if any)	SPS considered (if any)																																																																																																																																																																																																
1.	TTPS unit I&II = 300 MW	3. CPP+IPP = 80 MW	<table><tr><th>Bus Num</th><th>Bus Name</th><th>Pload (MW)</th></tr><tr><td>221000</td><td>JAPLA 132.00</td><td>25</td></tr><tr><td>221002</td><td>ADITPUR 132.00</td><td>60</td></tr><tr><td>221003</td><td>RAJKSWN 132.00</td><td>25</td></tr><tr><td>221004</td><td>MANIQUE 132.00</td><td>55</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>25</td></tr><tr><td>221010</td><td>KENDPOSI 132.00</td><td>35</td></tr><tr><td>221011</td><td>GOLMURI 132.00</td><td>60</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>35</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>65</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>40</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>60</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>0.2675</td></tr><tr><td>221024</td><td>HEC1 132.00</td><td>20</td></tr><tr><td>221025</td><td>LODHMA 132.00</td><td>0.2675</td></tr><tr><td>221027</td><td>DUMKA 132.00</td><td>60</td></tr><tr><td>221028</td><td>SAHEBGANJ 132.00</td><td>45</td></tr><tr><td>221029</td><td>CHAKRADPUR 132.00</td><td>10</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>40</td></tr><tr><td>221044</td><td>KANKE 132.00</td><td>85</td></tr><tr><td>221046</td><td>TAMAR 132.00</td><td>35</td></tr><tr><td>221047</td><td>TATISIL RLY 132.00</td><td>0.6976</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>0.6718</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>0.537</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>0.2755</td></tr><tr><td>221056</td><td>KENDPOSI RLY132.00</td><td>0.2675</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0.2675</td></tr><tr><td>221058</td><td>DALBUMGARH 132.00</td><td>25</td></tr><tr><td>221060</td><td>MADHUPUR 132.00</td><td>27</td></tr><tr><td>221061</td><td>JAMTARA RLY 132.00</td><td>5.9342</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>10</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>25</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>5.191</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>20</td></tr><tr><td>221069</td><td>RAJMAHAL 132.00</td><td>30</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>3.5</td></tr><tr><td>221071</td><td>KHUNTI 132.00</td><td>20</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>40</td></tr><tr><td>221075</td><td>JASIDIH 132.00</td><td>33</td></tr><tr><td>221076</td><td>GIRIDIH 132.00</td><td>55</td></tr><tr><td>221077</td><td>SARIA 132.00</td><td>25</td></tr><tr><td>221078</td><td>JAMUA 132.00</td><td>28</td></tr><tr><td>221079</td><td>GARHWA NEW 132.00</td><td>40</td></tr><tr><td>221081</td><td>CHITRA 132.00</td><td>22</td></tr><tr><td>221083</td><td>GIS RANCHI 33.000</td><td>1</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>30</td></tr><tr><td>221086</td><td>BURMU 132 132.00</td><td>30</td></tr><tr><td colspan="2">TOTAL</td><td>2062.1891</td></tr></table>	Bus Num	Bus Name	Pload (MW)	221000	JAPLA 132.00	25	221002	ADITPUR 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132.00	5.9342	221062	DEOGHAR RLY 132.00	10	221063	PAKUR 132.00	60	221064	LATEHAR 132.00	25	221065	MANOHARPUR 132.00	8	221066	BANO RLY 132.00	5.191	221067	MANGO 132.00	45	221068	SIMDEGA 132.00	20	221069	RAJMAHAL 132.00	30	221070	SHREE CEMENT132.00	3.5	221071	KHUNTI 132.00	20	221072	GOVINDPUR 132.00	50	221073	KARAMTOLA RL132.00	5.312	221074	GODDA 132.00	40	221075	JASIDIH 132.00	33	221076	GIRIDIH 132.00	55	221077	SARIA 132.00	25	221078	JAMUA 132.00	28	221079	GARHWA NEW 132.00	40	221081	CHITRA 132.00	22	221083	GIS RANCHI 33.000	1	221084	NAGARUNTARI 132.00	15	221085	CHATRA 132.00	30	221086	BURMU 132 132.00	30	TOTAL		2062.1891	1. 132KV MNQ - MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line	Nil	Nil
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