

TTC/ATC calculation of JUSNL for month: Dec-2022

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1870 MW	43MW	1827 MW	JUSNL internal limiting element are:- 1.132 KV Lalmatia-Kahalogaon T/L 2.132 KV Maithon-Jamtra T/L 2.Max Possible Generation for Dec 380 MW Total load =2181 MW Total Generation = 380MW

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 = 270 MW	3. CPP/IPP = IPL Unit 76 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>35</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>28</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>28</td></tr><tr><td>221008</td><td>GOEKRA 132.00</td><td>32</td></tr><tr><td>221010</td><td>KENDOPSI 132.00</td><td>32</td></tr><tr><td>221011</td><td>GOLMURI 132.00</td><td>70</td></tr><tr><td>221012</td><td>JADUGORA 132.00</td><td>46</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>55</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>140</td></tr><tr><td>221017</td><td>KAMDARA 132.00</td><td>57</td></tr><tr><td>221018</td><td>JAMTARA 132.00</td><td>64</td></tr><tr><td>221019</td><td>GARWAH 132.00</td><td>76</td></tr><tr><td>221020</td><td>LOHARDAGA 132.00</td><td>58</td></tr><tr><td>221021</td><td>HATIAI 132.00</td><td>145</td></tr><tr><td>221023</td><td>TOLRA 132.00</td><td>0</td></tr><tr><td>221024</td><td>HECI 132.00</td><td>20</td></tr><tr><td>221025</td><td>LODHMA 132.00</td><td>0</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>53</td></tr><tr><td>221029</td><td>CHAKRADPUR 132.00</td><td>15</td></tr><tr><td>221034</td><td>DALTONGANJ 132.00</td><td>75</td></tr><tr><td>221041</td><td>CHAIBASA NEW132.00</td><td>35</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>30</td></tr><tr><td>221047</td><td>TATISIL RLY 132.00</td><td>1</td></tr><tr><td>221048</td><td>BAKASPUR RLY132.00</td><td>1</td></tr><tr><td>221049</td><td>GUMLA 132.00</td><td>28</td></tr><tr><td>221050</td><td>RKSN RLY 132.00</td><td>1</td></tr><tr><td>221053</td><td>CHAIBASA RUN132.00</td><td>7</td></tr><tr><td>221054</td><td>GOILKERA RLY132.00</td><td>0</td></tr><tr><td>221056</td><td>KENDOPSI RLY132.00</td><td>0</td></tr><tr><td>221057</td><td>CKP RLY 132.00</td><td>0</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>30</td></tr><tr><td>221061</td><td>JAMTARA RLY 132.00</td><td>7</td></tr><tr><td>221062</td><td>DEOGHAR RLY 132.00</td><td>12</td></tr><tr><td>221063</td><td>PAKUR 132.00</td><td>64</td></tr><tr><td>221064</td><td>LATEHAR 132.00</td><td>30</td></tr><tr><td>221065</td><td>MANOHARPUR 132.00</td><td>10</td></tr><tr><td>221066</td><td>BANO RLY 132.00</td><td>6</td></tr><tr><td>221067</td><td>MANGO 132.00</td><td>40</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>38</td></tr><tr><td>221070</td><td>SHREE CEMENT132.00</td><td>4</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>60</td></tr><tr><td>221073</td><td>KARAMTOLA RL132.00</td><td>6</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>30</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>25</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>30</td></tr><tr><td>221081</td><td>CHITRA 132.00</td><td>32</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>7</td></tr><tr><td>221085</td><td>CHATRA 132.00</td><td>30</td></tr><tr><td>221086</td><td>RATU132 132.00</td><td>30</td></tr><tr><td colspan="2">Total</td><td>2181</td></tr></table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	35	221002	ADITPUR 132.00	60	221003	RAJKSWN 132.00	28	221004	MANIQUE 132.00	55	221005	PATRATU 132.00	28	221008	GOEKRA 132.00	32	221010	KENDOPSI 132.00	32	221011	GOLMURI 132.00	70	221012	JADUGORA 132.00	46	221013	NOAMUNDI 132.00	35	221014	LALMATIA 132.00	55	221015	DEOGHAR 132.00	65	221016	NAMKUM 132.00	140	221017	KAMDARA 132.00	57	221018	JAMTARA 132.00	64	221019	GARWAH 132.00	76	221020	LOHARDAGA 132.00	58	221021	HATIAI 132.00	145	221023	TOLRA 132.00	0	221024	HECI 132.00	20	221025	LODHMA 132.00	0	221027	DUMKA 132.00	60	221028	SAHEBGANJ 132.00	53	221029	CHAKRADPUR 132.00	15	221034	DALTONGANJ 132.00	75	221041	CHAIBASA NEW132.00	35	221044	KANKE 132.00	85	221046	TAMAR 132.00	30	221047	TATISIL RLY 132.00	1	221048	BAKASPUR RLY132.00	1	221049	GUMLA 132.00	28	221050	RKSN RLY 132.00	1	221053	CHAIBASA RUN132.00	7	221054	GOILKERA RLY132.00	0	221056	KENDOPSI RLY132.00	0	221057	CKP RLY 132.00	0	221058	DALBUMGARH 132.00	40	221060	MADHUPUR 132.00	30	221061	JAMTARA RLY 132.00	7	221062	DEOGHAR RLY 132.00	12	221063	PAKUR 132.00	64	221064	LATEHAR 132.00	30	221065	MANOHARPUR 132.00	10	221066	BANO 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