

TTC/ATC calculation of JUSNL for month : DECEMBER 2017

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	980MW	60 MW	920MW	1) 220KV D/c PG Ranchi- Hatia line. 2) 132 KV Maithon - Jamtara line. 3) 132 KV D/c Ramchandarpur - Adityapur line. 4) Total load =1154 MW 5) Total Generation = 505MW

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 = 353 MW	3. CPP/IPP = IPL Unit = 59 MW	<table border="1"> <thead> <tr> <th>Sl no</th> <th>Bus Name</th> <th>Pload (MW)</th> </tr> </thead> <tbody> <tr><td>1</td><td>JAPLA 132.00</td><td>15</td></tr> <tr><td>2</td><td>ADITPUR 132.00</td><td>59</td></tr> <tr><td>3</td><td>RAJKSWN 132.00</td><td>6</td></tr> <tr><td>4</td><td>MANIQUE 132.00</td><td>46</td></tr> <tr><td>5</td><td>PATRATU 132.00</td><td>22</td></tr> <tr><td>6</td><td>GOELKRA 132.00</td><td>4</td></tr> <tr><td>7</td><td>KENDPOSI 132.00</td><td>13</td></tr> <tr><td>8</td><td>GOLMURI 132.00</td><td>43</td></tr> <tr><td>9</td><td>JADUGORA 132.00</td><td>11</td></tr> <tr><td>10</td><td>NOAMUNDI 132.00</td><td>22</td></tr> <tr><td>11</td><td>LALMATIA 132.00</td><td>43</td></tr> <tr><td>12</td><td>DEOGHAR 132.00</td><td>62</td></tr> <tr><td>13</td><td>NAMKUM 132.00</td><td>82</td></tr> <tr><td>14</td><td>KAMDARA 132.00</td><td>32</td></tr> <tr><td>15</td><td>JAMTARA 132.00</td><td>28</td></tr> <tr><td>16</td><td>GARWAH 132.00</td><td>32</td></tr> <tr><td>17</td><td>LOHARDAGA 132.00</td><td>41</td></tr> <tr><td>18</td><td>HATIA1 132.00</td><td>107</td></tr> <tr><td>19</td><td>TOLRA 132.00</td><td>12</td></tr> <tr><td>20</td><td>HEC1 132.00</td><td>10</td></tr> <tr><td>21</td><td>LODHMA 132.00</td><td>5</td></tr> <tr><td>22</td><td>DUMKA 132.00</td><td>46</td></tr> <tr><td>23</td><td>SAHEBGANJ 132.00</td><td>26</td></tr> <tr><td>24</td><td>CHAKRADPUR 132.00</td><td>10</td></tr> <tr><td>25</td><td>DALTONGANJ 132.00</td><td>41</td></tr> <tr><td>26</td><td>CHAIBASA NEW132.00</td><td>14</td></tr> <tr><td>27</td><td>KANKE 132.00</td><td>49</td></tr> <tr><td>28</td><td>TAMAR 132.00</td><td>16</td></tr> <tr><td>29</td><td>TATISIL RLY 132.00</td><td>10</td></tr> <tr><td>30</td><td>BAKASPUR RLY132.00</td><td>10</td></tr> <tr><td>31</td><td>GUMLA 132.00</td><td>19</td></tr> <tr><td>32</td><td>RKSN RLY 132.00</td><td>9</td></tr> <tr><td>33</td><td>CHAIBASA RUN132.00</td><td>7</td></tr> <tr><td>34</td><td>GOILKERA RLY132.00</td><td>18</td></tr> <tr><td>35</td><td>KENDPOSI RLY132.00</td><td>4</td></tr> <tr><td>36</td><td>CKP RLY 132.00</td><td>1</td></tr> <tr><td>37</td><td>DALBUMGARH 132.00</td><td>46</td></tr> <tr><td>38</td><td>MADHUPUR 132.00</td><td>15</td></tr> <tr><td>39</td><td>JAMTARA RLY 132.00</td><td>28</td></tr> <tr><td>40</td><td>DEOGHAR RLY 132.00</td><td>6</td></tr> <tr><td>41</td><td>PAKUR 132.00</td><td>42</td></tr> <tr><td>42</td><td>LATEHAR 132.00</td><td>13</td></tr> <tr><td>43</td><td>MANOHARPUR 132.00</td><td>5</td></tr> <tr><td>44</td><td>BANO RLY 132.00</td><td>12</td></tr> <tr><td>45</td><td>MANGO 132.00</td><td>12</td></tr> <tr><td></td><td>Total</td><td>1154</td></tr> </tbody> </table>	Sl no	Bus Name	Pload (MW)	1	JAPLA 132.00	15	2	ADITPUR 132.00	59	3	RAJKSWN 132.00	6	4	MANIQUE 132.00	46	5	PATRATU 132.00	22	6	GOELKRA 132.00	4	7	KENDPOSI 132.00	13	8	GOLMURI 132.00	43	9	JADUGORA 132.00	11	10	NOAMUNDI 132.00	22	11	LALMATIA 132.00	43	12	DEOGHAR 132.00	62	13	NAMKUM 132.00	82	14	KAMDARA 132.00	32	15	JAMTARA 132.00	28	16	GARWAH 132.00	32	17	LOHARDAGA 132.00	41	18	HATIA1 132.00	107	19	TOLRA 132.00	12	20	HEC1 132.00	10	21	LODHMA 132.00	5	22	DUMKA 132.00	46	23	SAHEBGANJ 132.00	26	24	CHAKRADPUR 132.00	10	25	DALTONGANJ 132.00	41	26	CHAIBASA NEW132.00	14	27	KANKE 132.00	49	28	TAMAR 132.00	16	29	TATISIL RLY 132.00	10	30	BAKASPUR RLY132.00	10	31	GUMLA 132.00	19	32	RKSN RLY 132.00	9	33	CHAIBASA RUN132.00	7	34	GOILKERA RLY132.00	18	35	KENDPOSI RLY132.00	4	36	CKP RLY 132.00	1	37	DALBUMGARH 132.00	46	38	MADHUPUR 132.00	15	39	JAMTARA RLY 132.00	28	40	DEOGHAR RLY 132.00	6	41	PAKUR 132.00	42	42	LATEHAR 132.00	13	43	MANOHARPUR 132.00	5	44	BANO RLY 132.00	12	45	MANGO 132.00	12		Total	1154	1. 132KV MNQ - MNQ line 2. 132KV Kendposi - Joda line	Nil	Nil
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2.	SHPS Hydrel unit I & II = 51+ 42 = 93 MW																																																																																																																																																		

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