



JHARKHAND URJA SANCHARN NIGAM LIMITED

Office of the

Chief Engineer, SLDC/ULDC, Computer System & Telecom

Kusai Colony, Doranda, Ranchi

Phone: 0651-2490090, Fax: 0651-2490486, Email: sldcranchi@gmail.com

Letter No. _____ ' SLDC/ ULDC, Ranchi,

Dated, _____ /

From,

**Er.C.M Sharma,
Chief Engineer,
SLDC/ULDC, Ranchi**

To,

**Sri J. Bandyopadhaya
Member Secretary, ERPC
14, Golf Club Road, Tollygunj
Kolkata- 700033**

Sub: TTC/ATC Calculation report of JUSNL for the month of January 2018.

Sir,

With reference to the above, please find the enclosed TTC/ATC Calculation report of JUSNL for the month of January 2018.

Encl: As above

Yours faithfully,


Sd/-

**(C M Sharma)
C.E, SLDC/ULDC**

Memo No. 557 ' SLDC/ULDC, Ranchi,

Dated 16-12-2017

Copy submitted to GM, ERLDC, Kolkata / Director (Project), JUSNL / T.S. to M.D, JUSNL Ranchi for Kind information.


15.12.2017
**(C M Sharma)
C.E, SLDC/ULDC**

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TTC/ATC calculation of JUSNL for month : JANUARY 2018

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 = 1075 MW 5) Total Generation = 433MW

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 = 365 MW	3. CPP/IPP = IPL Unit 68 MW	<table border="1" style="width: 100%; border-collapse: collapse;"> <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>16</td></tr> <tr><td>221002</td><td>ADITPUR 132.00</td><td>113</td></tr> <tr><td>221003</td><td>RAJKSWN 132.00</td><td>20</td></tr> <tr><td>221004</td><td>CHNDLS 132.00</td><td>67</td></tr> <tr><td>221005</td><td>PARTTU 1 132.00</td><td>25</td></tr> <tr><td>221008</td><td>GOELKRA 132.00</td><td>20</td></tr> <tr><td>221010</td><td>KNDPOSI 132.00</td><td>35</td></tr> <tr><td>221011</td><td>GOLMURI 132.00</td><td>64</td></tr> <tr><td>221012</td><td>JADUGRA 132.00</td><td>28</td></tr> <tr><td>221013</td><td>NOAMNDI 132.00</td><td>25</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>78</td></tr> <tr><td>221016</td><td>NAMKUM 132.00</td><td>106</td></tr> <tr><td>221017</td><td>KAMDARA 132.00</td><td>35</td></tr> <tr><td>221018</td><td>JAMTARA 132.00</td><td>30</td></tr> <tr><td>221019</td><td>GRWARD 132.00</td><td>34</td></tr> <tr><td>221021</td><td>HATIA1 132.00</td><td>140</td></tr> <tr><td>221024</td><td>HEC1 132.00</td><td>12</td></tr> <tr><td>221027</td><td>DUMKA 132.00</td><td>50</td></tr> <tr><td>221028</td><td>SAHBGNJ 132.00</td><td>30</td></tr> <tr><td>221029</td><td>CHAKRDP 132.00</td><td>12</td></tr> <tr><td>221086</td><td>PAKUR 132.00</td><td>50</td></tr> <tr><td>222006</td><td>LOHARDG 220.00</td><td>35</td></tr> <tr><td colspan="2" style="text-align: center;">Total</td><td>1075</td></tr> </tbody> </table>	Bus Number	Bus Name	Pload (MW)	221000	JAPLA 132.00	16	221002	ADITPUR 132.00	113	221003	RAJKSWN 132.00	20	221004	CHNDLS 132.00	67	221005	PARTTU 1 132.00	25	221008	GOELKRA 132.00	20	221010	KNDPOSI 132.00	35	221011	GOLMURI 132.00	64	221012	JADUGRA 132.00	28	221013	NOAMNDI 132.00	25	221014	LALMATIA 132.00	50	221015	DEOGHAR 132.00	78	221016	NAMKUM 132.00	106	221017	KAMDARA 132.00	35	221018	JAMTARA 132.00	30	221019	GRWARD 132.00	34	221021	HATIA1 132.00	140	221024	HEC1 132.00	12	221027	DUMKA 132.00	50	221028	SAHBGNJ 132.00	30	221029	CHAKRDP 132.00	12	221086	PAKUR 132.00	50	222006	LOHARDG 220.00	35	Total		1075	1. 132KV MNQ – MNQ line 2. 132KV Kendposi – Joda line	Nil	Nil
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2.	SHPS Hydel unit I & II = 0+ 0 = 0 MW																																																																																

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