

2

TTC/ATC calculation of JUSNL for month: April 2023

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1522MW	38MW	1484MW	JUSNL internal limiting element are:- 1. 132 KV Lalmatia-Kahalgaon T/L 2. 132 KV Maithon-Jamtara T/L Max Possible Generation for April-433 MW Total load =1910 MW Total Generation = 433 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)
			Bus Num	Bus Name	Pload (MW)			
1.	TTPS unit I&II = 340 MW	3. CPP/IPP = IPL Unit 93 MW	221000	JAPLA 132.00	25	1. 132KV MNQ – MNQ line	Nil	Nil
			221002	ADITPUR 132.00	55			
2.	SHPS Hydel unit I & II = 0 =0 MW		221003	RAJKSWN 132.00	25	2. 132KV Patratu(DVC)- Patratu(JUSNL) line		
			221004	MANIQUE 132.00	45			
			221005	PATRATU 132.00	25			
			221008	GOELKRA 132.00	25			
			221010	KENDPOSI 132.00	35			
			221011	GOLMURI 132.00	60			
			221012	JADUGORA 132.00	30			
			221013	NOAMUNDI 132.00	35			
			221014	LALMATIA 132.00	55			
			221015	DEOGHAR 132.00	60			
			221016	NAMKUM 132.00	125			
			221017	KAMDARA 132.00	45			
			221018	JAMTARA 132.00	60			
			221019	GARWAH 132.00	70			
			221020	LOHARDAGA 132.00	55			
			221021	HATIA1 132.00	145			
			221023	TOLRA 132.00	0.2614			
			221024	HEC1 132.00	12			
			221025	LODHMA 132.00	0.2614			
			221027	DUMKA 132.00	50			
			221028	SAHEBGANJ 132.00	40			
			221029	CHAKRADPUR 132.00	10			
			221034	DALTONGANJ 132.00	65			
			221041	CHAIBASA NEW132.00	30			
			221044	KANKE 132.00	85			
			221046	TAMAR 132.00	30			
			221047	TATISIL RLY 132.00	0.68			
			221048	BAKASPUR RLY132.00	0.6549			
			221049	GUMLA 132.00	28			
			221050	RKSN RLY 132.00	0.5238			
			221053	CHAIBASA RUN132.00	10			
			221054	GOILKERA RLY132.00	0.2698			
			221056	KENDPOSI RLY132.00	0.2614			
			221057	CKP RLY 132.00	0.2614			
			221058	DALBUMGARH 132.00	35			
			221060	MADHUPUR 132.00	25			
			221061	JAMTARA RLY 132.00	5.792			
			221062	DEOGHAR RLY 132.00	10.8603			
			221063	PAKUR 132.00	60			
			221064	LATEHAR 132.00	20			
			221065	MANOHARPUR 132.00	6			
			221066	BANO RLY 132.00	5.0673			
			221067	MANGO 132.00	35			
			221068	SIMDEGA 132.00	18			
			221069	RAJMAHAL 132.00	28			
			221070	SHREE CEMENT132.00	3.4728			
			221071	KHUNTI 132.00	18			
			221072	GOVINDPUR 132.00	50			
			221073	KARAMTOLA RL132.00	5.312			
			221074	GODDA 132.00	36.2035			
			221075	JASIDIH 132.00	20			
			221076	GIRIDIH 132.00	40			
			221077	SARIA 132.00	20			
			221078	JAMUA 132.00	15			
			221079	GARHWA NEW 132.00	25			
			221081	CHITRA 132.00	25			
			221083	GIS RANCHI 33.000	2.6634			
			221084	NAGARUNTARI 132.00	8			
			221085	CHATRA 132.00	25			
			221086	RATU132 132.00	30			
				Total	1910.5454			