

TTC/ATC calculation of JUSNL for month: July- 2024

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	2005 MW	44 MW	1961 MW	JUSNL internal limiting element are :- 1. 132 KV Maithon-Jamtara T/L 2. 132 KV Kahalgaon-Lalmatia 3. 132 KV Adityapur-RKSN T/L 4. 132 KV ADP-RCP T/L 5. 220 kV Maithion-Dumka New D/C Max Possible Generation for July 2024-470 MW Total load =2226 MW Total Generation = 285 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)	Generati ng units under forced outage(if any)	SPS consi dered (if any)
1.	TTPS unit I&II = 165 MW	3. CPP+IPP = 70 MW	Bus Number	Bus Name	Load (MW)	1. 132KV MNQ – MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line 3. 132KV Deoghar-Sultanganj line	Nil	Nil
2.	SHPS Hydel unit I & II =50 MW		221000	JAPLA 132.00	32			
			221002	ADITPUR 132.00	55			
			221003	RAJKSWN 132.00	28			
			221004	MANIQUE 132.00	50			
			221005	PATRATU 132.00	28			
			221008	GOELKRA 132.00	28			
			221010	KENDPOSI 132.00	32			
			221011	GOLMURI 132.00	62			
			221012	JADUGORA 132.00	35			
			221013	NOAMUNDI 132.00	30			
			221014	LALMATIA 132.00	50			
			221015	DEOGHAR 132.00	60			
			221016	NAMKUM 132.00	132			
			221017	KAMDARA 132.00	32			
			221018	JAMTARA 132.00	65			
			221019	GARWAH 132.00	65			
			221020	LOHARDAGA 132.00	50			
			221021	HATIA1 132.00	138			
			221023	TOLRA 132.00	0.1944			
			221024	HEC1 132.00	12			
			221025	LODHMA 132.00	0.1944			
			221027	DUMKA 132.00	62			
			221028	SAHEBGANJ 132.00	42			
			221029	CHAKRADPUR 132.00	12			
			221034	DALTONGANJ 132.00	70			
			221041	CHAIBASA NEW132.00	30			
			221044	KANKE 132.00	90			
			221046	TAMAR 132.00	32			
			221047	TATISIL RLY 132.00	0.5073			
			221048	BAKASPUR RLY132.00	0.4876			
			221049	GUMLA 132.00	30			
			221050	RKSN RLY 132.00	0.3899			
			221053	CHAIBASA RUN132.00	10			
			221054	GOILKERA RLY132.00	0.2013			
			221056	KENDPOSI RLY132.00	0.1944			
			221057	CKP RLY 132.00	0.1944			
			221058	DALBUMGARH 132.00	40			
			221060	MADHUPUR 132.00	28			
			221061	JAMTARA RLY 132.00	15			
			221062	DEOGHAR RLY 132.00	8.0873			
			221063	PAKUR 132.00	60			
			221064	LATEHAR 132.00	45			
			221065	MANOHARPUR 132.00	8			
			221066	BANO RLY 132.00	3.7732			
			221067	MANGO 132.00	45			
			221068	SIMDEGA 132.00	30			
			221069	RAJMAHAL 132.00	35			
			221070	SHREE CEMENT132.00	2.5859			
			221071	KHUNTI 132.00	25			
		221072	GOVINDPUR 132.00	50				
		221073	KARAMTOLA RL132.00	5.312				
		221074	GODDA 132.00	50				
		221075	JASIDIH 132.00	45				
		221076	GIRIDIH 132.00	45				
		221077	SARIA 132.00	30				
		221078	JAMUA 132.00	45				
		221079	GARHWA NEW 132.00	50				
		221081	CHITRA 132.00	30				
		221083	GIS RANCHI 33.000	1.4222				
		221084	NAGARUNTARI 132.00	15				
		221085	CHATRA 132.00	45				
		221086	RATU132 132.00	38				
		221087	JARMUNDI 132.00	12				
		221089	JAINAMORE 132.00	25				
		221090	CHANDANKYARI132.00	22				
		221091	BARHAIT 132.00	5				
		221092	KUNDHIT 132.00	2				
			Total	2225.5443				

Export TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.					