



JHARKHAND URJA SANCHARN NIGAM LIMITED

Office of the General Manager, SLDC, JUSNL

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Letter No. _____ ' SLDC, Ranchi,

Dated, _____/

From,

Umesh Prasad Singh
General Manager
SLDC, Ranchi

To,

Executive Director, ERLDC
14, Golf Club Road, Tollygunj
Kolkata- 700033

Sub: TTC/ATC Calculation report of JUSNL for the month of May-2026 & April-2027.

Sir,

With reference to the above, please find the enclosed TTC/ATC Calculation report of JUSNL for the month of May-2026 & April-2027.

Encl: As above

Yours faithfully,

Sd/

(Umesh Prasad Singh)
General Manager, SLDC

Memo No. _____ ' SLDC, Ranchi,

Dated _____

Copy submitted to Member Secretary, ERPC, Kolkata for Kind information.

Sd/-

(Umesh Prasad Singh)
General Manager, SLDC

Memo No. 95 ' SLDC, Ranchi,

Dated 08-04-2026

✓ Copy submitted to GM (IT), JUSNL for uploading it on the website of JUSNL.

Umesh Prasad Singh

08/04/26

(Umesh Prasad Singh)
General Manager, SLDC

67/G.M (T.T)
09/04/2026

TTC/ATC calculation of JUSNL for month: May- 2026

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1899 MW	46 MW	1853 MW	JUSNL internal limiting element are :- 1. 220 KV Maithon-Dumka New D/C 2. 132 KV Kahalgaon(NTPC)-Lalmatia T/L Max Possible Generation for MAY' 2026-1315 MW Total load = 2276 MW Total Generation = 445 MW

Assumptions for Import TTC:

Assumptions for import PFC								
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 = 290 MW	3. CPP+IPP = 25 MW	Bus Number	Bus Name	Pload (MW)	1. 132KV MNQ - MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line	Nil	Nil
2.	PVUNL Unit# I = NIL MW		221000	JAPLA 132.00	30			
3.	SHPS Hydel unit I & II =130 MW		221002	ADITPUR 132.00	60			
			221003	RAJKSWN 132.00	16			
			221004	MANIQUE 132.00	45			
			221005	PATRATU 132.00	27			
			221008	GOELKRA 132.00	20			
			221010	KENDPOSI 132.00	24			
			221011	GOLMURI 132.00	70			
			221012	JADUGORA 132.00	33			
			221013	NOAMUNDI 132.00	32			
			221014	LALMATIA 132.00	50			
			221015	DEOGHAR 132.00	52			
			221016	NAMKUM 132.00	125			
			221017	KAMDARA 132.00	32			
			221018	JAMTARA 132.00	52			
			221019	GARWAH 132.00	62			
			221020	LOHARDAGA 132.00	65			
			221021	HATIA1 132.00	136			
			221023	TOLRA 132.00	30			
			221024	HEC1 132.00	12			
			221025	LODHMA 132.00	0.061			
			221027	DUMKA 132.00	62			
			221028	SAHEBGANJ 132.00	38			
			221029	CHAKRADPUR 132.00	14			
			221034	DALTONGANJ 132.00	75			
			221041	CHAIBASA NEW132.00	35			
			221044	KANKE 132.00	90			
			221046	TAMAR 132.00	34			
			221047	TATISIL RLY 132.00	10.015			
			221048	BAKASPUR RLY132.00	10			
			221049	GUMLA 132.00	34			
			221050	RKSN RLY 132.00	30			
			221053	CHAIBASA RUN132.00	4.36			
			221054	GOILKERA RLY132.00	2.411			
			221056	KENDPOSI RLY132.00	2.811			
			221057	CKP RLY 132.00	0.061			
			221058	DALBUMGARH 132.00	40			
			221060	MADHUPUR 132.00	25			
			221061	JAMTARA RLY 132.00	6.026			
			221062	DEOGHAR RLY 132.00	3.213			
			221063	PAKUR 132.00	65			
			221064	LATEHAR 132.00	41			
			221065	MANOHARPUR 132.00	6			
			221066	BANO RLY 132.00	1.25			
			221067	MANGO 132.00	43			
			221068	SIMDEGA 132.00	25			
			221069	RAJMAHAL 132.00	30			
			221070	SHREE CEMENT132.00	0.827			
221071	KHUNTI 132.00		28					
221072	GOVINDPUR 132.00	75						
221073	KARAMTOLA RL132.00	5						
221074	GODDA 132.00	50						
221075	JASIDIH 132.00	38						
221076	GIRIDIH 132.00	32						
221077	SARIA 132.00	28						
221078	JAMUA 132.00	32						
221079	GARHWA NEW 132.00	47						
221081	CHITRA 132.00	25						
221083	GIS RANCHI 33.000	12						
221084	NAGARUNTARI 132.00	15						
221085	CHATRA 132.00	45						
221086	RATU132 132.00	45						
221087	JARMUNDI 132.00	9						
221089	JAINAMORE 132.00	26						
221090	CHANDANKYARI132.00	24						
221091	BARHAIT 132.00	18						
221092	KUNDHIT 132.00	9.5						
221094	BAHRAGODA 132.00	16.5						
TOTAL LOAD					2281.035			

TTC/ATC calculation of JUSNL for month: April- 2027

Import TTC:

Sl. No.	Control area	TTC	RM	ATC	Limiting contingency N-1 & loading of the limiting equipment under that contingency
1.	JUSNL	1278 MW	46 MW	1232 MW	JUSNL internal limiting element are :- 1. 132 Kv Hatia2-Hatia1 Ckt.3 2. 132 Kv Lalmatia- Kahalgaon (NTPC) T/L 3. 220kV Maithon-Dumka New D/C Max Possible Generation for APR' 2027-1935 MW Total load = 2319 MW Total Generation = 1117 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 dere d (if any)		
1.	TTPS unit I&II = 290 MW	CPP+IPP = 77 MW	Bus Number	Bus Name	Pload (MW)	1. 132KV MNQ – MNQ line 2. 132KV Patratu(DVC)- Patratu(JUSNL) line	Nil	Nil
2.	PVUNL Unit# I = 750 MW		221000	JAPLA 132.00	29			
3.	SHPS Hydel unit I & II =NIL MW		221002	ADITPUR 132.00	62			
			221003	RAJKSWN 132.00	28			
			221004	MANIQUE 132.00	45			
			221005	PATRATU 132.00	26			
			221008	GOELKRA 132.00	24			
			221010	KENDPOSI 132.00	28			
			221011	GOLMURI 132.00	62			
			221012	JADUGORA 132.00	34			
			221013	NOAMUNDI 132.00	30			
			221014	LALMATIA 132.00	45			
			221015	DEOGHAR 132.00	55			
			221016	NAMKUM 132.00	136			
			221017	KAMDARA 132.00	29			
			221018	JAMTARA 132.00	58			
			221019	GARWAH 132.00	65			
			221020	LOHARDAGA 132.00	65			
			221021	HATIA1 132.00	141			
			221023	TOLRA 132.00	30			
			221024	HEC1 132.00	12			
			221025	LODHMA 132.00	0.091			
			221027	DUMKA 132.00	62			
			221028	SAHEBGANJ 132.00	38			
			221029	CHAKRADPUR 132.00	14			
			221034	DALTONGANJ 132.00	75			
			221041	CHAIBASA NEW132.00	33			
			221044	KANKE 132.00	85			
			221046	TAMAR 132.00	33			
			221047	TATISIL RLY 132.00	8.812			
			221048	BAKASPUR RLY132.00	5.875			
			221049	GUMLA 132.00	32			
			221050	RKSN RLY 132.00	17.622			
			221053	CHAIBASA RUN132.00	10			
			221054	GOILKERA RLY132.00	3.525			
			221056	KENDPOSI RLY132.00	4.111			
			221057	CKP RLY 132.00	0.091			
			221058	DALBUMGARH 132.00	39			
221060	MADHUPUR 132.00		25					
221061	JAMTARA RLY 132.00		8.812					
221062	DEOGHAR RLY 132.00	4.698						
221063	PAKUR 132.00	62						
221064	LATEHAR 132.00	40						
221065	MANOHARPUR 132.00	5						
221066	BANO RLY 132.00	1.764						
221067	MANGO 132.00	42						
221068	SIMDEGA 132.00	25						
221069	RAJMAHAL 132.00	26						
221070	SHREE CEMENT132.00	1.21						
221071	KHUNTI 132.00	28						
221072	GOVINDPUR 132.00	72						
221073	KARAMTOLA RL132.00	5						
221074	GODDA 132.00	50						
221075	JASIDIH 132.00	41						
221076	GIRIDIH 132.00	40						
221077	SARIA 132.00	28						
221078	JAMUA 132.00	30						
221079	GARHWA NEW 132.00	48						
221081	CHITRA 132.00	28						
221083	GIS RANCHI 33.000	20						
221084	NAGARUNTARI 132.00	15						
221085	CHATRA 132.00	47						
221086	RATU132 132.00	42						
221087	JARMUNDI 132.00	12						
221089	JAINAMORE 132.00	30						
221090	CHANDANKYARI132.00	25						
221091	BARHAIT 132.00	22						
221092	KUNDHIT 132.00	10						
221094	BAHRAGODA 132.00	20						
			TOTAL LOAD	2319.61				

Import of Jharkhand Transfer Capability for May-2026

S.N	Corridor/Control Area	Date	Time Period	Time Blocks	Total Transfer Capability (TTC) (MW)	Reliability Margin (RM) (MW)	Available Transfer Capability (ATC) (MW)	Approved GNA (MW)	Margin for T-GNA (MW)	Changes in TTC w.r.t last revision	Remarks
1	JUSNL	01.05.26 to 31.05.26	00 to 24 hrs	1 to 96	1899	46	1853	1590	263		Total gen-445 MW. Load-2276 MW
Limiting Constraints:- 1. 220 KV Maithon-Dumka New D/C 2. 132 KV Kahalgao(NTPC)-Lalmatia T/L											